

UNIVERSITY OF MASSACHUSETTS  
ANNUAL REPORTS  
1977/78

CONTENTS

FINANCIAL REPORT

AMHERST CAMPUS

BOSTON CAMPUS

MEDICAL SCHOOL









# UNIVERSITY OF MASSACHUSETTS



AMHERST • BOSTON • WORCESTER

FINANCIAL REPORT 1978

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THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF MASSACHUSETTS

THE ANNUAL FINANCIAL REPORT OF THE UNIVERSITY FOR THE FISCAL  
YEAR ENDED JUNE 30, 1978 IS PRESENTED IN THE ACCOMPANYING PAGES.  
THE CONSOLIDATED BALANCE SHEET, STATEMENT OF CHANGES IN FUND BALANCES,  
AND STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER  
CHANGES ARE IN THE FORMAT PRESCRIBED FOR COLLEGE AND UNIVERSITIES BY  
THE AUDIT GUIDE OF THE AMERICAN INSTITUTE OF CERTIFIED PUBLIC  
ACCOUNTANTS.

RESPECTFULLY SUBMITTED,

PAUL S. PAGE  
ACTING UNIVERSITY CONTROLLER



UNIVERSITY OF MASSACHUSETTS

AMHERST

BOSTON

WORCESTER

FINANCIAL REPORT

FOR THE FISCAL YEAR ENDED JUNE 30, 1978

PAUL J. PAGE  
ACTING UNIVERSITY CONTROLLER

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ASSETS		LIABILITIES AND FUND BALANCES	
		1977	1977
CURRENT FUNDS	CURRENT FUNDS		
UNRESTRICTED	UNRESTRICTED		
CASH AND TEMPORARY INVESTMENTS	ACCOUNTS PAYABLE (NOTE 1)	\$ 12,028,339	\$ 4,569,066
CASH WITH STATE TREASURER (NOTE 1)	DEPOSITS	5,136,542	843,105
INVESTMENTS	RESERVES	6,155	107,322
	STATE REVENUE		5,841
	DUE TO OTHER FUNDS		65,286
	FUND BALANCES		13,187,241
TOTAL UNRESTRICTED	TOTAL UNRESTRICTED	\$ 17,171,036	\$ 18,777,861
RESTRICTED	RESTRICTED		
CASH	ACCOUNTS PAYABLE	\$ 107,132	\$ 203,599
ACCOUNTS RECEIVABLE (NOTE 2)	FUND BALANCES	16,906,712	18,839,220
DUE FROM OTHER FUNDS		68,524	
TOTAL RESTRICTED	TOTAL RESTRICTED	\$ 17,082,368	\$ 19,042,819
TOTAL CURRENT FUNDS	TOTAL CURRENT FUNDS	\$ 34,253,404	\$ 37,820,680
LOAN FUNDS	LOAN FUNDS		
CASH AND TEMPORARY INVESTMENTS	FUND BALANCES	\$ 179,343	\$ 11,377,242
NOTES RECEIVABLE		9,225,609	
TOTAL LOAN FUNDS	TOTAL LOAN FUNDS	\$ 9,404,952	\$ 11,377,242
ENDOWMENT FUNDS (NOTE 3)	ENDOWMENT FUNDS		
CASH	FUND BALANCES	\$ 55,356	\$ 1,937,704
INVESTMENTS-POOLED		1,788,435	
INVESTMENTS-NONPOOLED		155,836	
TOTAL ENDOWMENT FUNDS	TOTAL ENDOWMENT FUNDS	\$ 1,999,627	\$ 1,937,704
PLANT FUNDS	PLANT FUNDS		
UNEXPENDED	UNEXPENDED		
CASH	FUND BALANCES	\$ 571,402	\$ 1,081,402
CASH WITH STATE TREASURER		510,000	
TOTAL UNEXPENDED	TOTAL UNEXPENDED	\$ 1,081,402	\$ 1,081,402

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THE ACCOMPANYING NOTES AND SUMMARY OF  
SIGNIFICANT ACCOUNTING POLICIES ARE  
INTEGRAL PARTS OF THESE FINANCIAL STATEMENTS.

UNIVERSITY OF  
STATEMENT OF CHANGES  
FOR THE FISCAL YEAR

	<u>CURRENT FUNDS</u>		<u>LOAN FUNDS</u>
	<u>UNRESTRICTED</u>	<u>RESTRICTED</u>	
REVENUES AND OTHER ADDITIONS			
UNRESTRICTED CURRENT FUND REVENUES	\$ 173,902,182	\$	\$
FEDERAL APPROPRIATIONS		4,607,834	1,636,987
STATE APPROPRIATIONS		2,402,896	
CITY AND TOWN APPROPRIATIONS		10,556	
FEDERAL GRANTS AND CONTRACTS		21,077,020	
STATE GRANTS AND CONTRACTS		4,406,654	
LOCAL GRANTS AND CONTRACTS		128,865	
PRIVATE GIFTS, GRANTS AND CONTRACTS		4,254,830	2,315
ENDOWMENT INCOME		103,936	
INTEREST ON LOANS RECEIVABLE		2,500	77,337
REALIZED GAINS ON INVESTMENTS			
OTHER INCOME	212,041	265,558	4,367
EXPENDED FOR PLANT FACILITIES (NOTE 5)			
TOTAL REVENUE AND OTHER ADDITIONS	\$ 174,114,223	\$ 37,260,649	\$ 1,721,006
EXPENDITURES AND OTHER DEDUCTIONS			
EDUCATIONAL AND GENERAL EXPENDITURES	\$ 116,943,764	\$ 29,890,649	\$
AUXILIARY ENTERPRISE EXPENDITURES	28,376,079	726,509	
HOSPITAL EXPENDITURES	19,269,231		
INDIRECT COSTS RECOVERED		3,585,344	46,461
REFUNDED TO GRANTORS		821,654	
LOAN CANCELLATIONS AND WRITE-OFFS			85,023
ADMINISTRATIVE AND COLLECTION COSTS			18,715
REALIZED LOSSES ON INVESTMENTS			
EXPENDED FOR PLANT FACILITIES			
RETIREMENT OF INDEBTEDNESS			
FUNDS REVERTED TO STATE			
OTHER DEDUCTIONS	156	67,010	
TOTAL EXPENDITURES & OTHER DEDUCTIONS	\$ 164,589,230	\$ 35,091,166	\$ 150,199
TRANSFERS AMONG FUNDS - ADDITIONS/(DEDUCTIONS)			
MANDATORY:			
PRINCIPAL AND INTEREST	\$ (6,120,274)	\$	\$
LOAN FUND MATCHING		(389,252)	399,252
NONMANDATORY:			
RENEWALS AND REPLACEMENTS	(345,938)		
TRANSFER FROM RESTRICTED	15,898		3,483
TRANSFER TO UNRESTRICTED		(15,898)	
TRANSFER TO LOAN FUND		(3,483)	
TRANSFER TO ENDOWMENT		(3,998)	(1,252)
TRANSFER FROM UNRESTRICTED			
LOAN FUNDS REALLOCATED			
ENDOWMENT INCOME REVERTED TO PRINCIPAL			
TRANSFER FROM PLANT	61,000		
TOTAL TRANSFERS	\$ (6,389,314)	\$ (412,631)	\$ 401,483

## MASSACHUSETTS

IN FUND BALANCES  
ENDED JUNE 30, 1978

ENDOWMENT AND SIMILAR FUNDS	PLANT FUNDS			
	UNEXPENDED	RENEWALS AND REPLACEMENTS	RETIREMENT OF INDEBTEDNESS	INVESTMENT IN PLANT
\$	\$	\$	\$	\$
	1,035,000	(2,487)		
1,785				
		12,214		
				4,301,296
\$ 1,785	\$ 1,035,000	\$ 9,727	\$ -0-	\$ 4,301,296
\$	\$	\$	\$	\$
68,958				
	63,806	132		
			6,120,274	
\$ 68,958	\$ 63,806	\$ 132	\$ 6,120,274	\$ -0-
\$	\$	\$	\$ 6,120,274	\$
3,998		345,938		
		(61,000)		
1,252				
\$ 5,250	\$ -0-	\$ 284,938	\$ 6,120,274	\$ -0-

UNIVERSITY OF  
STATEMENT OF CHANGES  
FOR THE FISCAL YEAR

	CURRENT FUNDS		LOAN FUNDS
	UNRESTRICTED	RESTRICTED	
NET INCREASE/(DECREASE) FOR THE YEAR	\$ 3,135,679	\$ 1,756,852	\$ 1,972,290
FUND BALANCE AT BEGINNING OF YEAR	10,283,721	17,082,368	9,404,952
PRIOR YEAR ADJUSTMENTS	<u>(232,159)</u>		
FUND BALANCE AT END OF YEAR	<u>\$ 13,187,241</u>	<u>\$ 18,839,220</u>	<u>\$ 11,377,242</u>

THE ACCOMPANYING NOTES AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES  
ARE INTEGRAL PARTS OF THESE FINANCIAL STATEMENTS.

## MASSACHUSETTS

IN FUND BALANCES  
ENDED JUNE 30, 1978

ENDOWMENT AND SIMILAR FUNDS	PLANT FUNDS			
	UNEXPENDED	RENEWALS AND REPLACEMENTS	RETIREMENT OF INDEBTEDNESS	INVESTMENT IN PLANT
\$ (61,923)	\$ 971,194	\$ 294,533	\$ -0-	\$ 4,301,296
1,999,627	110,208	927,134	-0-	320,862,180
\$ 1,937,704	\$ 1,081,402	\$ 1,221,667	\$ -0-	\$325,163,476

## UNIVERSITY OF MASSACHUSETTS

STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES  
FOR THE FISCAL YEARS ENDED JUNE 30, 1978 and 1977

	1978		1977
	UNRESTRICTED	RESTRICTED	TOTAL
REVENUES:			
TUITION AND FEES (NOTE 6)	\$ 20,249,853	\$ 451	\$ 16,608,191
FEDERAL APPROPRIATIONS		3,971,250	3,645,140
STATE APPROPRIATIONS (NOTE 7)	77,527,799	2,396,577	94,165,479
FEDERAL GRANTS AND CONTRACTS	293	16,871,458	16,584,213
STATE GRANTS AND CONTRACTS		3,553,006	2,675,918
LOCAL GRANTS AND CONTRACTS		380,807	336,182
PRIVATE GIFTS, GRANTS, AND CONTRACTS	485,750	3,762,186	4,044,510
ENDOWMENT INCOME		48,059	44,785
SALES AND SERVICES OF EDUCATIONAL ACTIVITIES	778,910	782,736	406,508
SALES AND SERVICES OF AUXILIARY ENTERPRISES	34,141,766	34,141,766	30,203,268
SALES AND SERVICES OF HOSPITAL (NOTE 8)	32,838,174	32,838,174	7,025,808
RECOVERY OF INDIRECT COSTS (NOTE 9)	3,644,593	3,644,593	3,459,128
INCOME FROM SHORT-TERM INVESTMENTS	896,079	896,079	693,270
OTHER SOURCES (NOTE 10)	3,338,965	18,789	1,250,683
TOTAL CURRENT REVENUES	\$173,902,182	\$ 31,006,409	\$181,143,083
EXPENDITURES AND MANDATORY TRANSFERS:			
EDUCATIONAL AND GENERAL: (NOTE 1)			
INSTRUCTION	\$ 53,264,237	\$ 2,905,275	\$ 55,844,575
RESEARCH	3,159,993	12,170,606	14,244,813
PUBLIC SERVICE	3,263,284	6,416,310	6,571,423
ACADEMIC SUPPORT	13,340,293	1,205,229	12,192,460
STUDENT SERVICES	7,068,683	213,518	6,112,805
INSTITUTIONAL SUPPORT	15,691,270	39,215	14,577,236
OPERATION AND MAINTENANCE OF PLANT	20,274,706		18,800,917
SCHOLARSHIPS AND FELLOWSHIPS (NOTE 4)	871,298	6,940,495	8,051,291
EDUCATIONAL AND GENERAL EXPENDITURES	\$116,933,764	\$ 29,890,648	\$136,395,520
MANDATORY TRANSFERS FOR:			
PRINCIPAL AND INTEREST	\$	\$	\$
RENEWALS AND REPLACEMENTS		389,252	197,393
LOAN FUNDS MATCHING GRANT	10,000		
TOTAL EDUCATIONAL AND GENERAL	\$116,943,764	\$ 30,279,900	\$136,592,913



AUXILIARY ENTERPRISES:			
EXPENDITURES	\$ 28,376,079	\$ 726,509	\$ 29,102,588
MANDATORY TRANSFERS FOR:			
PRINCIPAL AND INTEREST	6,120,274		6,120,274
RENEWALS AND REPLACEMENTS	<u>345,938</u>		<u>345,938</u>
NONMANDATORY TRANSFERS FOR:			
RENEWALS AND REPLACEMENTS			<u>411,125</u>
TOTAL AUXILIARY ENTERPRISES	\$ 34,842,291	\$ 726,509	\$ 35,568,800
HOSPITAL:			
EXPENDITURES	\$ 19,269,231		\$ 19,269,231
MANDATORY TRANSFERS FOR:			
PRINCIPAL AND INTEREST			
RENEWALS AND REPLACEMENTS			
TOTAL HOSPITAL	\$ 19,269,231	\$ 19,269,231	\$ 13,085,427
TOTAL EXPENDITURES AND MANDATORY TRANSFERS	\$ 171,055,286	\$ 31,006,409	\$ 180,590,862
OTHER TRANSFERS AND ADDITIONS/ (DEDUCTIONS) :			
EXCESS OF RESTRICTED AWARDS OVER TRANSFERS TO REVENUES	\$ 2,668,895	\$ 2,668,895	\$ 4,056,446
REFUNDED TO GRANTORS	(821,654)	(821,654)	(975,709)
OTHER TRANSFERS	<u>288,783</u>	<u>198,394</u>	<u>(32,691)</u>
TOTAL OTHER TRANSFERS & ADDITIONS/ (DEDUCTIONS)	\$ 288,783	\$ 2,045,635	\$ 3,048,046
NET INCREASE IN FUND BALANCES	\$ 3,135,679	\$ 1,756,852	\$ 3,600,267

THE ACCOMPANYING NOTES AND SUMMARY OF SIGNIFICANT  
ACCOUNTING POLICIES ARE INTEGRAL PARTS OF THESE  
FINANCIAL STATEMENTS.

THE FOLLOWING SCHEDULE COMPARES ENDOWMENT INVESTMENTS ON A BOOK VALUE BASIS  
FOR THE FISCAL YEARS ENDED JUNE 30, 1978 AND 1977.

COMPARISON OF BOOK VALUES

	JUNE 30, 1978		JUNE 30, 1977		INCREASE (DECREASE)
	AMOUNT	%	AMOUNT	%	
<u>POOLED INVESTMENTS</u>					
BONDS & NOTES:					
GOVERNMENT	\$ 308,228	15.91%	\$ 264,885	13.25%	\$ 43,343
PUBLIC UTILITY	313,089	16.16	313,169	15.66	( 80)
INDUSTRIAL	<u>39,641</u>	<u>2.05</u>	<u>49,938</u>	<u>2.50</u>	<u>( 10,297)</u>
	\$ 660,958	34.12%	\$ 627,992	31.41%	\$ 32,966
STOCKS:					
PREFERRED	\$ 78,151	4.03%	\$ 107,862	5.39%	\$ ( 29,711)
COMMON:					
FINANCIAL	126,552	6.53	115,061	5.75	11,491
INDUSTRIAL	746,494	38.52	855,264	42.77	( 108,770)
UTILITIES	<u>151,028</u>	<u>7.79</u>	<u>82,256</u>	<u>4.11</u>	<u>68,772</u>
	\$1,102,225	56.87%	\$1,160,443	58.02%	\$ ( 58,218)
CASH:					
UNINVESTED	\$ 11,986	.62%	\$ 48,774	2.43%	\$ ( 36,788)
SAVINGS ACCOUNTS	<u>2,532</u>	<u>.13</u>	<u>2,532</u>	<u>.13</u>	<u>-0-</u>
TOTAL POOLED	\$1,777,701	91.74%	\$1,839,741	91.99%	\$ ( 62,040)
<u>NON-POOLED INVESTMENTS</u>					
TERM CERTIFICATES	\$ 4,166	.21%	\$ 4,050	.21%	\$ 116
COMMON STOCK	4,538	.23	4,538	.23	-0-
LAND	<u>151,299</u>	<u>7.82</u>	<u>151,299</u>	<u>7.57</u>	<u>-0-</u>
TOTAL NON-POOLED	\$ 160,003	8.26%	\$ 159,887	8.01%	\$ 116
GRAND TOTAL	<u>\$1,937,704</u>	<u>100.00%</u>	<u>\$1,999,628</u>	<u>100.00%</u>	<u>\$ ( 61,924)</u>

THE FOLLOWING SCHEDULE COMPARES ENDOWMENT INVESTMENTS ON A MARKET VALUE BASIS FOR THE FISCAL YEARS ENDED JUNE 30, 1978 AND 1977.

COMPARISON OF MARKET VALUE

	JUNE 30, 1978		JUNE 30, 1977		INCREASE (DECREASE)
	AMOUNT	%	AMOUNT	%	
<u>POOLED INVESTMENTS</u>					
BONDS & NOTES:					
GOVERNMENT	\$ 276,361	14.27%	\$ 261,920	13.08%	\$ 14,441
PUBLIC UTILITY	172,956	8.93	264,224	13.20	( 91,268)
INDUSTRIAL	<u>127,294</u>	<u>6.57</u>	<u>47,106</u>	<u>2.35</u>	<u>80,188</u>
	\$ 576,611	29.77%	\$ 573,250	28.63%	\$ 3,361
STOCKS:					
PREFERRED	\$ 56,850	2.93%	\$ 84,300	4.21%	\$ ( 27,450)
COMMON:					
FINANCIAL	122,363	6.32	109,874	5.49	12,489
INDUSTRIAL	824,219	42.55	893,093	44.61	( 68,874)
UTILITIES	<u>181,386</u>	<u>9.36</u>	<u>127,833</u>	<u>6.39</u>	<u>53,553</u>
	\$1,184,818	61.16%	\$1,215,100	60.70%	\$ ( 30,282)
CASH:					
UNINVESTED	\$ 11,986	.61%	\$ 48,774	2.44%	\$ ( 36,788)
SAVINGS ACCOUNTS	<u>2,532</u>	<u>.13</u>	<u>2,532</u>	<u>.12</u>	<u>-0-</u>
TOTAL POOLED	<u>\$1,775,947</u>	<u>91.67%</u>	<u>\$1,839,656</u>	<u>91.89%</u>	<u>\$ ( 63,709)</u>
<u>NON-POOLED INVESTMENTS</u>					
TERM CERTIFICATES	\$ 4,050	.21%	\$ 4,050	.20%	\$ -0-
COMMON STOCK	5,938	.31	6,937	.35	( 999)
LAND	<u>151,299</u>	<u>7.81</u>	<u>151,299</u>	<u>7.56</u>	<u>-0-</u>
TOTAL NON-POOLED	<u>\$ 161,287</u>	<u>8.33%</u>	<u>\$ 162,286</u>	<u>8.11%</u>	<u>\$ ( 999)</u>
GRAND TOTAL	<u><u>\$1,937,234</u></u>	<u><u>100.00%</u></u>	<u><u>\$2,001,942</u></u>	<u><u>100.00%</u></u>	<u><u>\$ ( 64,708)</u></u>

ENDOWMENT FUNDS

STATEMENT OF POOLED INVESTMENTS AS OF JUNE 30, 1978

<u>DESCRIPTION</u>	<u>DATE OF ACQUISITION OR NUMBER OF SHARES</u>	<u>COST OR BOOK VALUE</u>	<u>MARKET VALUE</u>
<u>GOVERNMENT BONDS AND NOTES</u>			
40,000 FEDERAL LAND BANK 8.55% DUE APRIL 23, 1979	12/75	\$ 40,000.00	\$ 40,000.00
100,000 G.N.M.A. PASS-THRU 10-12 YEAR 8% DUE AUGUST 15, 2006	03/77	91,016.76	91,017.00
25,000 INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT 4 1/2'S DUE FEBRUARY 1, 1990	07/65	25,015.00	17,125.00
100,000 U.S. TREASURY 8'S DUE FEBRUARY 15, 1983	04/76	101,610.64	98,250.00
50,000 U.S. TREASURY 7 1/4'S DUE FEBRUARY 15, 1984	08/77	50,585.94	47,094.00
TOTAL GOVERNMENT BONDS AND NOTES		\$ 308,228.34	\$ 293,486.00
<u>PUBLIC UTILITY BONDS</u>			
25,000 AMERICAN TELEPHONE & TELEGRAPH CO. DEBENTURE 4 3/8'S DUE MAY 1, 1999	07/63- 05/72	\$ 23,366.65	\$ 14,750.00
25,000 BOSTON EDISON CO. FIRST MORTGAGE 6 1/8'S DUE JUNE 1, 1997, SERIES J	09/68	25,395.87	17,156.00
30,000 COLUMBUS & SOUTHERN OHIO ELECTRIC 7% DUE JUNE 1, 1979	10/72	30,000.00	29,213.00
25,000 COMMONWEALTH EDISON CO. FIRST MORTGAGE DUE APRIL 1, 1996	07/66- 03/72	23,803.70	17,719.00
25,000 FLORIDA POWER AND LIGHT CO., FIRST MORTGAGE 4 3/8'S DUE DECEMBER 1, 1986	02/59- 07/68	21,800.00	18,281.00
25,000 FLORIDA POWER AND LIGHT CO., FIRST MORTGAGE 7'S DUE JUNE 1, 1998	06/68	25,458.40	19,906.00
50,000 GENERAL TELEPHONE & ELECTRONICS 6 1/4'S DUE SEPTEMBER 15, 1996	01/77	47,882.50	43,500.00
25,000 GULF STATES UTILITIES 4 3/4'S DUE JANUARY 1, 1989	10/72	18,900.00	17,719.00
25,000 PHILADELPHIA ELECTRIC CO., FIRST & REFUNDING MORTGAGE 4 5/8'S DUE SEPTEMBER 1, 1987	11/57- 07/68	22,147.54	17,938.00
25,000 SOUTHERN BELL TELEPHONE CO. DEBENTURE 4 3/8'S DUE APRIL 1, 2001	07/65	24,437.50	14,250.00
4,000 SOUTHERN NATURAL GAS CO. FIRST MORTGAGE PIPE LINE SINKING 4 3/4'S DUE JANUARY 1, 1979	04/59	4,053.37	3,930.00
25,000 SOUTHERN CALIFORNIA EDISON CO., FIRST REFUNDING 4 1/2'S DUE FEBRUARY 15, 1990	07/65- 04/72	23,688.00	16,781.00
25,000 SOUTHWESTERN BELL TELEPHONE CO., DEBENTURE 4 3/4'S DUE OCTOBER 1, 1992	10/58- 12/58- 06/68- 03/72	22,155.55	17,219.00
TOTAL PUBLIC UTILITY BONDS		\$ 313,089.08	\$ 248,362.00

<u>DESCRIPTION</u>	<u>DATE OF ACQUISITION OR NUMBER OF SHARES</u>	<u>COST OR BOOK VALUE</u>	<u>MARKET VALUE</u>
<u>INDUSTRIAL BONDS</u>			
20,000 BECTON DICKINSON & CO., 5% CONV DEBENTURE DUE DECEMBER 1, 1989	04/77	\$ 15,850.00	\$ 15,700.00
25,000 GENERAL MOTORS ACCEPTANCE CORP. DEBENTURE 4 5/8'S DUE JUNE 15, 1986	07/74- 12/70	<u>23,791.21</u>	<u>19,063.00</u>
TOTAL INDUSTRIAL BONDS		\$ 39,641.21	\$ 34,763.00
<u>PREFERRED STOCK</u>			
CHAMPION INTERNATIONAL CORP.\$1.20 CONV PFD	1,600	\$ 44,442.92	\$ 31,600.00
WACHOVIA CORP. \$2.20 CUM CONV PFD, SERIES A	500	<u>33,708.45</u>	<u>25,250.00</u>
TOTAL PREFERRED STOCK		\$ 78,151.37	\$ 56,850.00
<u>COMMON STOCK - FINANCIAL</u>			
BANKERS TRUST NEW YORK CORP.	700	\$ 41,312.06	\$ 24,763.00
NATIONWIDE CORP. CLASS A COMMON	767	8,341.13	11,217.00
NATIONWIDE LIFE INSURANCE CO.	32	816.00	388.00
TRAVELERS CORP.	1,000	33,678.12	35,000.00
WELLS FARGO AND CO.	1,400	<u>30,913.59</u>	<u>37,275.00</u>
TOTAL COMMON STOCK - FINANCIAL		\$ 115,060.90	\$ 108,643.00
<u>COMMON STOCK - INDUSTRIAL</u>			
AMERICAN CYANAMID CO.	2,000	\$ 57,563.84	\$ 58,250.00
AMERICAN HOSPITAL SUPPLY CORP.	1,000	27,110.00	28,000.00
BECTON DICKINSON CO.	1,000	32,235.00	36,875.00
BETZ LABORATORIES	1,000	32,110.00	35,000.00
CLARK EQUIPMENT CO.	1,000	33,735.00	33,375.00
CONTINENTAL OIL CO.	1,000	28,485.00	26,375.00
DATA GENERAL CORP.	500	24,555.00	27,063.00
DIGITAL EQUIPMENT CORP.	500	23,055.00	23,313.00
ECONOMICS LABORATORY INC.	1,000	24,485.00	21,625.00
FEDERATED DEPARTMENT STORES	1,000	33,202.56	37,000.00
FOXBORO CO.	1,050	33,414.50	38,588.00
GENERAL SIGNAL CORP.	2,466	32,964.28	77,987.00
GREAT NORTHERN NEKOOSA CORP.	1,000	30,088.35	27,375.00
INTERNATIONAL PAPER CO.	800	33,488.00	31,700.00
MARATHON OIL CO.	800	36,271.08	34,800.00
MCDONALDS CORP.	600	30,741.00	31,575.00
J.P. MORGAN CO., INC.	600	26,091.00	26,700.00
PENNZOIL CO.	1,200	32,982.00	33,750.00

<u>DESCRIPTION</u>	<u>DATE OF ACQUISITION OR NUMBER OF SHARES</u>	<u>COST OR BOOK VALUE</u>	<u>MARKET VALUE</u>
<u>COMMON STOCK - INDUSTRIAL</u>			
PILLSBURY CO.	800	\$ 32,488.00	\$ 31,500.00
PROCTER & GAMBLE CO.	400	33,494.00	34,400.00
RELIANCE ELECTRIC CO.	1,000	32,610.00	35,875.00
SEARS ROEBUCK & CO.	1,100	31,471.00	25,438.00
SEVEN-UP CO.	1,000	27,110.00	47,750.00
		<hr/>	<hr/>
TOTAL COMMON STOCK - INDUSTRIAL		\$ 729,749.61	\$ 804,314.00
		<hr/>	<hr/>
<u>COMMON STOCK - UTILITY</u>			
AMERICAN DISTRICT TEL CO.	1,000	\$ 28,235.00	\$ 33,625.00
AMERICAN TEL & TEL CO.	858	25,566.43	51,373.00
AMERICAN NATURAL RESOURCES CO.	900	31,040.20	37,575.00
FLORIDA POWER & LIGHT CO.	1,200	32,232.00	32,850.00
THE SOUTHERN CO.	800	17,102.62	12,900.00
SUBURBAN PROPANE GAS CORP.	1,500	36,540.00	29,438.00
VIRGINIA ELECTRIC AND POWER CO.	1,200	8,546.77	17,250.00
		<hr/>	<hr/>
TOTAL COMMON STOCK - UTILITY		\$ 179,263.02	\$ 215,011.00
		<hr/>	<hr/>
TOTAL POOLED SECURITIES		\$1,763,183.53	\$1,761,429.00
		<hr/>	<hr/>

ENDOWMENT PRINCIPAL

<u>PRESIDENT'S OFFICE</u>	<u>JULY 1, 1977</u>	<u>ADDITIONS</u>	<u>JUNE 30, 1978</u>
BURNHAM EMERGENCY	\$ 7,742.23	\$ -0-	\$ 7,742.23
LUCIUS CLAPP	8,740.42	-0-	8,740.42
ENDOWMENT FROM STATE	-0-	-0-	-0-
GENERAL ENDOWMENT	-0-	-0-	-0-
M.D. & A. H. LINCOLN FUND	478,638.21	-0-	478,638.21
MURRAY D. LINCOLN LAND	151,299.23	-0-	151,299.23
ROBERT J. MCCARTNEY	9,841.42	266.09	10,107.51
FREDERICK H. READ	1,699.55	-0-	1,699.55
WILLIAM R. SESSIONS	4,780.97	-0-	4,780.97
ROY E. TORREY MEMORIAL	1,192.31	64.97	1,257.28
WILLIAM WHEELER	10,855.91	-0-	10,855.91
	<u>\$ 674,790.25</u>	<u>\$ 331.06</u>	<u>\$ 675,121.31</u>

AMHERST CAMPUS

DONALD P. ALLAN	\$ 7,070.00	\$ 368.54	\$ 7,438.54
ALPHA SIGMA PHI	7,100.00	-0-	7,100.00
ALVORD DAIRY	4,197.15	-0-	4,197.15
OSCAR G. ANDERSON SCHOOL	1,015.00	-0-	1,015.00
ASCENSION FARM SCHOOL	119,975.79	-0-	119,975.79
D. K. BANGS	5,861.58	-0-	5,861.58
GEORGE H. BARBER	5,073.86	-0-	5,073.86
GEORGE H. BARBER/MHR	1,473.42	-0-	1,473.42
HOMER J. BARR	3,180.16	10.25	3,190.41
JOSEPH BARTLETT	-0-	-0-	-0-
OSWALD BEHREND	1,319.68	66.22	1,385.90
SEYMOUR BAROWSKY	5,000.00	-0-	5,000.00
JOHN & NANCY BUTTERWORTH	10,000.00	-0-	10,000.00
BUTTRICK SCHOLARSHIP	10,000.00	-0-	10,000.00
THEODORE C. CALDWELL	1,333.73	16.45	1,350.18
RAYMOND CHAMBERLIN	6,335.80	-0-	6,335.80
HAROLD W. GARY PRIZE FUND	890.87	34.28	925.15
CLASS OF 1882	2,152.24	58.63	2,210.87
GEORGE & EDITH CODDING	388,464.70	-0-	388,464.70
GUY CHESTER CRAMPTON	2,539.03	-0-	2,539.03
F. G. CRANE	25,518.08	-0-	25,518.08
JOHN C. CUTTER	1,098.41	-0-	1,098.41
STEPHEN DAVIS	19,175.00	-0-	19,175.00
DISTINGUISHED VISITOR	70,690.06	1,251.53	71,941.59
E. W. ELDRIDGE, JR.	1,555.00	-0-	1,555.00
GEORGE L. FARLEY FUND	5,000.00	-0-	5,000.00
R. C. FOLEY	5,145.00	-0-	5,145.00
HARRY L. FOLSON HOO HOO	11,736.89	589.51	12,326.40
J. D. W. FRENCH	10,743.41	-0-	10,743.41
KATHRYN F. FURCOLO	12,105.68	596.89	12,702.57
GASSET SCHOLARSHIP	1,462.20	-0-	1,462.20
GENERAL ENDOWMENT	265.50	40.00	305.50
CHARLES A. GLEASON	3,731.73	-0-	3,731.73
GRINNEL PRIZE FUND	125.94	-0-	125.94
M. R. POMERY HAMLIN	33,537.36	-0-	33,537.36
C. C. HARDY	119.65	-0-	119.65
WALTER H. HARRISON	11,836.14	-0-	11,836.14
PHILIP HASBROUCK	9,775.66	-0-	9,775.66
HILLS FUND	15,523.89	-0-	15,523.89
CLIFTON JOHNSON	3,411.47	-0-	3,411.47
HELEN KNOWLTON	15,000.00	-0-	15,000.00
HOWARD M. LEBOW	12,740.86	947.08	13,687.94
LIBRARY	11,027.85	-0-	11,027.85
ALBERT P. MADEIRA	15,989.80	787.02	16,776.82
MARY A. MAHER	7,247.85	85.00	7,332.85



	<u>JULY 1, 1977</u>	<u>ADDITIONS</u>	<u>JUNE 30, 1978</u>
<u>AMHERST CAMPUS</u>			
ELIZABETH L. MCNAMARA	\$ 1,025.00	\$ -0-	\$ 1,025.00
OREANA MERRIAM	1,623.02	-0-	1,623.02
METAWAMPE FUND	1,050.00	-0-	1,050.00
HELEN MITCHELL	6,850.00	-0-	6,850.00
JEFFREY MORGAN	4,241.01	216.03	4,457.04
PORTER L. NEWTON	24,204.46	-0-	24,204.46
J. CLARK OSTERHOUT	396.95	-0-	396.95
BETSY PINKERTON	4,500.00	-0-	4,500.00
CHARLES A. PETERS	1,162.77	-0-	1,162.77
CHARLES S. PLUMB	5,257.77	143.64	5,401.41
FRANK H. PLUMB	13,427.17	-0-	13,427.17
ROBERT POMEROY	1,535.95	-0-	1,535.95
A. L. POND	1,354.78	100.00	1,454.78
WILLIAM PROCTOR	2,000.00	-0-	2,000.00
FRANK PRENTICE RAND	5,025.00	-0-	5,025.00
PAUL & CAROLINA RHOADES	25,000.00	-0-	25,000.00
V. A. RICE	2,784.11	-0-	2,784.11
MARY ROBINSON	3,000.00	-0-	3,000.00
WILLIAM H. ROSS	9,745.00	90.00	9,835.00
ILENE SHARON SAVOL	3,322.32	163.17	3,485.49
FRANK R. SHAW	1,502.20	100.63	1,602.83
PHILIP SHEINFELD	5,984.00	-0-	5,984.00
H. T. U. SMITH	3,817.50	65.00	3,882.50
H. F. STAPLES	51,907.08	-0-	51,907.08
BETTY STEINBUGLER	200.00	-0-	200.00
STOCKBRIDGE SCHOOL ALUMNI	2,300.38	-0-	2,300.38
HARVEY SWADOS	4,537.17	71.72	4,608.89
CHARLES H. THAYER	3,160.00	690.00	3,850.00
RUTH J. TOTMAN	949.17	-0-	949.17
HOWARD TURNER	32,630.97	-0-	32,630.97
FRANK M. WEST	18,328.55	-0-	18,328.55
WHITING STREET	2,021.70	-0-	2,021.70
HELEN A. WHITTIER	4,213.22	-0-	4,213.22
	<u>\$1,136,603.69</u>	<u>\$ 6,491.59</u>	<u>\$1,143,095.28</u>
<u>BOSTON CAMPUS</u>			
ALFRED FERGUSON	\$ 4,050.00	\$ 116.17	\$ 4,166.17
GENERAL ENDOWMENT	-0-	-0-	-0-
RICHARD T. HOGAN	7,041.70	-0-	7,041.70
BRIAN RATTIGAN	923.11	-0-	923.11
JOHN RYAN FACULTY CONV.	872.91	95.40	968.31
V. C. SAVIO	4,537.50	-0-	4,537.50
	<u>\$ 17,425.22</u>	<u>\$ 211.57</u>	<u>\$ 17,636.79</u>
<u>WORCESTER MEDICAL CENTER</u>			
EDMUND & PHYLLIS CROCE	\$ 50,000.00	\$ -0-	\$ 50,000.00
GENERAL ENDOWMENT	-0-	-0-	-0-
	<u>\$ 50,000.00</u>	<u>\$ -0-</u>	<u>\$ 50,000.00</u>
<u>RESERVE FOR INVESTMENT</u>			
	<u>\$ 120,808.09</u>	<u>\$ (68,957.50)</u>	<u>\$ 51,850.59</u>
TOTAL	<u><u>\$1,999,627.25</u></u>	<u><u>\$ (61,923.28)</u></u>	<u><u>\$1,937,703.97</u></u>



# ENDOWMENT FUNDS

## STATEMENT OF INVESTMENTS NOT IN POOL AS OF JUNE 30, 1978

		<u>COST OR BOOK VALUE</u>
<u>CASH</u>		
<u>CHECKING ACCOUNT</u>		
FIRST NATIONAL BANK OF AMHERST (FERGUSON)		\$ 116.17
<u>TERM CERTIFICATES</u>		
NONOTUCK SAVINGS BANK 1 YR. 6.5% (FERGUSON)		2,000.00
NONOTUCK SAVINGS BANK 4 YR. 7.5% (FERGUSON)		<u>2,050.00</u>
		\$ 4,166.17
<u>COMMON STOCK</u>		
GENERAL MOTORS (SAVIO) 100 SH		\$ 4,537.50
<u>LAND</u>		
FRANKLIN COUNTY, OHIO	03/11/58 (LINCOLN)	\$ 41,765.00
	12/31/58	16,795.00
	02/23/60	33,600.00
	02/28/61	24,068.90
	01/17/62	<u>35,070.33</u>
		\$ 151,299.23
TOTAL NON-POOLED INVESTMENTS		<u>\$ 160,002.90</u>

# FALL ENROLLMENT

1969 - 1978

A TEN YEAR ENROLLMENT COMPARISON BY CAMPUS FOLLOWS. FIGURES ARE BASED ON HEAD COUNT FOR THE FALL SEMESTER TO PROVIDE CONTINUITY.

	<u>AMHERST</u>	<u>BOSTON</u>	<u>WORCESTER</u>	<u>TOTAL</u>
1969	18,887	3,597	-	22,484
1970	20,462	4,426	16	24,904
1971	22,505	4,853	40	27,398
1972	23,710	5,630	64	29,404
1973	24,128	6,267	104	30,499
1974	24,699	7,380	152	32,231
1975	25,884	7,475	228	33,587
1976	24,107	7,699	309	32,115
1977	23,953	8,363	367	32,683
1978	24,018	7,948	413	32,379

# DEGREES GRANTED

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THE FOLLOWING SCHEDULE SHOWS UNDERGRADUATE, GRADUATE, MEDICAL SCHOOL AND ASSOCIATE DEGREES GRANTED FOR THE LAST TEN YEARS.

	<u>UNDERGRADUATE</u>	<u>GRADUATE</u>	<u>MEDICAL</u>	<u>ASSOCIATE</u>	<u>TOTAL</u>
1969	3,071	786	-	249	4,106
1970	3,558	848	-	241	4,647
1971	3,769	1,115	-	221	5,105
1972	4,071	1,143	-	234	5,448
1973	4,768	1,512	-	256	6,536
1974	4,962	1,382	16	253	6,613
1975	4,941	1,283	22	236	6,482
1976	5,261	1,347	26	224	6,858
1977	4,853	1,210	39	269	6,371
1978	5,193	1,187	65	215	6,660

UNIVERSITY OF MASSACHUSETTS  
SUMMARY OF SIGNIFICANT  
ACCOUNTING POLICIES  
JUNE 30, 1978

THE SIGNIFICANT ACCOUNTING POLICIES FOLLOWED BY THE UNIVERSITY OF MASSACHUSETTS ARE DESCRIBED BELOW TO ENHANCE THE USEFULNESS OF THE FINANCIAL STATEMENTS TO THE READER.

CASH BASIS

THE FINANCIAL STATEMENTS OF THE UNIVERSITY HAVE BEEN PREPARED ON A CASH BASIS EXCEPT FOR THE TREATMENT OF STATE APPROPRIATED FUNDS EXPENDITURES AND RESTRICTED GRANTS AND CONTRACTS AS EXPLAINED IN NOTE 1 AND NOTE 2 TO THE FINANCIAL STATEMENTS. THE STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES IS A STATEMENT OF FINANCIAL ACTIVITIES OF CURRENT FUNDS RELATED TO THE CURRENT REPORTING PERIOD. IT DOES NOT PURPORT TO PRESENT THE RESULTS OF OPERATIONS OR THE NET INCOME OR LOSS FOR THE PERIOD AS WOULD A STATEMENT OF INCOME OR A STATEMENT OF REVENUES AND EXPENSES.

TO THE EXTENT THAT CURRENT FUNDS ARE USED TO FINANCE OTHER FUND GROUPS, THE AMOUNTS SO PROVIDED ARE ACCOUNTED FOR AS (1) MANDATORY TRANSFERS, IN THE CASE OF REQUIRED PROVISIONS FOR MATCHING LOAN FUNDS OR PROVISIONS FOR DEBT AMORTIZATION; AND (2) TRANSFERS OF A NONMANDATORY NATURE FOR ALL OTHER CASES.

FUND ACCOUNTING

IN ORDER TO ENSURE OBSERVANCE OF LIMITATIONS AND RESTRICTIONS PLACED ON THE USE OF THE RESOURCES AVAILABLE TO THE UNIVERSITY, THE ACCOUNTS OF THE UNIVERSITY ARE MAINTAINED IN ACCORDANCE WITH THE PRINCIPLES OF "FUND ACCOUNTING." THIS IS THE PROCEDURE BY WHICH RESOURCES FOR VARIOUS PURPOSES ARE CLASSIFIED FOR ACCOUNTING AND REPORTING PURPOSES INTO FUNDS THAT ARE IN ACCORDANCE WITH ACTIVITIES OR OBJECTIVES SPECIFIED. THIS IS DONE IN ACCORDANCE WITH REGULATIONS, RESTRICTIONS, OR LIMITATIONS IMPOSED BY DONORS OR SPONSORING AGENCIES OUTSIDE THE UNIVERSITY, OR IN ACCORDANCE WITH DIRECTIVES ISSUED BY THE BOARD OF TRUSTEES.

A FUND IS AN ACCOUNTING ENTITY WITH A SELF-BALANCING SET OF ACCOUNTS FOR RECORDING ASSETS, LIABILITIES, A FUND BALANCE, AND CHANGES IN THE FUND BALANCE. SEPARATE ACCOUNTS ARE MAINTAINED FOR EACH FUND; HOWEVER, IN THE ACCOMPANYING FINANCIAL STATEMENTS, FUNDS THAT HAVE SIMILAR CHARACTERISTICS HAVE BEEN COMBINED INTO FUND GROUPS. ACCORDINGLY, ALL FINANCIAL TRANSACTIONS HAVE BEEN RECORDED AND REPORTED BY FUND GROUP.

CURRENT UNRESTRICTED FUNDS

CURRENT UNRESTRICTED FUNDS, DERIVED FROM THE EDUCATIONAL AND GENERAL OPERATIONS OF THE UNIVERSITY AND FROM STATE APPROPRIATIONS, GIFTS AND GRANTS MAY BE USED AT THE DISCRETION OF THE BOARD OF TRUSTEES OR THEIR DESIGNEES TO MEET CURRENT EXPENDITURES FOR ANY ACTIVITIES DIRECTLY RELATED TO THE UNIVERSITY'S EDUCATIONAL OBJECTIVES.

CURRENT UNRESTRICTED FUNDS ALSO INCLUDES THOSE FUNDS ASSOCIATED WITH THE OPERATIONS OF THE UNIVERSITY'S AUXILIARY ENTERPRISES AND HOSPITAL ACTIVITIES.

CURRENT RESTRICTED FUNDS

CURRENT RESTRICTED FUNDS, DERIVED FROM STATE AND FEDERAL APPROPRIATIONS, GIFTS, GRANTS AND MATCHING FUNDS PROVIDED BY THE UNIVERSITY, MAY BE USED ONLY TO MEET CURRENT EXPENDITURES FOR THE PURPOSES SPECIFICALLY IDENTIFIED BY THE DONORS OR OTHER SPONSORING AGENCIES.

LOAN FUNDS

LOAN FUNDS, DERIVED FROM FEDERAL APPROPRIATIONS AND GRANTS, GIFTS, AND MATCHING FUNDS PROVIDED BY THE UNIVERSITY, MAY BE USED ONLY FOR PROVIDING LOANS TO STUDENTS AND OTHERS SPECIFIED BY THE DONORS OR OTHER SPONSORING AGENCIES.

ENDOWMENT FUNDS

ENDOWMENT FUNDS ARE SUBJECT TO THE RESTRICTIONS OF GIFT INSTRUMENTS REQUIRING IN PERPETUITY THAT THE PRINCIPAL BE INVESTED AND ONLY THE INCOME BE USED TO MEET CURRENT EXPENDITURES.

## PLANT FUNDS

PLANT FUNDS, DERIVED FROM STATE APPROPRIATIONS, GIFTS, GRANTS AND UNIVERSITY FUNDS SO DESIGNATED BY THE BOARD OF TRUSTEES, MAY BE USED ONLY TO MEET EXPENDITURES FOR CONSTRUCTION OF PHYSICAL FACILITIES AND RETIREMENT OF INDEBTEDNESS ARISING THEREFROM.

THE "PLANT FUND" IS REPORTED IN FOUR SUBGROUPS IN THE ACCOMPANYING FINANCIAL STATEMENTS:

- UNEXPENDED PLANT FUNDS—FUNDS THAT ARE AVAILABLE FOR NEW CONSTRUCTION, RENOVATIONS, AND ACQUISITION OF PHYSICAL PROPERTIES BUT WHICH ARE, AS OF THE DATE OF REPORTING, UNEXPENDED.
- FUNDS FOR RENEWAL AND REPLACEMENT—FUNDS SET ASIDE FOR THE RENOVATION AND IMPROVEMENT OF UNIVERSITY PROPERTIES. THIS SUBGROUP DOES NOT INCLUDE THOSE FUNDS USED FOR THE ORDINARY MAINTENANCE AND REPAIR OF INSTITUTIONAL PROPERTIES—SUCH MONIES ARE REPORTED IN THE "CURRENT FUND".
- FUNDS FOR RETIREMENT OF INDEBTEDNESS—FUNDS SET ASIDE TO PAY OFF THE DEBT ON UNIVERSITY PROPERTIES (BOTH PRINCIPAL AND INTEREST CHARGES).
- INVESTMENT IN PLANT—ALL UNIVERSITY FUNDS INVESTED IN PHYSICAL PLANT ASSETS AND THE AMOUNT OF OUTSTANDING DEBT ON PHYSICAL PLANT.

## AGENCY FUNDS

THE UNIVERSITY OFTEN ACTS AS THE FISCAL AGENT FOR FUNDS IT DOES NOT OWN. IN SUCH CASES THE UNIVERSITY USUALLY IS PROVIDING ACCOUNTING SERVICES TO THE ORGANIZATION(S) OR PERSON(S) TO WHICH THE MONIES BELONG. ALL FUNDS THE UNIVERSITY HOLDS AS CUSTODIAN OR FISCAL AGENT FOR STUDENT ORGANIZATIONS, INDIVIDUAL STUDENTS, FACULTY MEMBERS, AND SO FORTH ARE REPORTED IN THE "AGENCY FUND".

## 19 RESTRICTED GIFTS

THE UNIVERSITY RECORDS RESTRICTED GIFTS AS ADDITIONS TO RESTRICTED FUNDS AT THE TIME THE FUNDS ARE RECEIVED. AT THE TIME THESE GIFTS ARE EXPENDED, A CORRESPONDING AMOUNT IS REPORTED AS RESTRICTED REVENUES IN THE STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES. THE UNEXPENDED PORTION OF GIFT AWARDS WILL BE REPORTED AS REVENUES AND EXPENDITURES IN FUTURE PERIODS WHEN EXPENDED.

## RESTRICTED GRANTS AND CONTRACTS

THE UNIVERSITY RECORDS GRANTS AND CONTRACTS AS ADDITIONS TO RESTRICTED FUNDS AT THE TIME THE AWARD IS MADE RATHER THAN AT THE TIME THE SERVICES REQUIRED TO FULFILL THE TERMS OF THE GRANT OR CONTRACT ARE PERFORMED OR THE FUNDS ARE RECEIVED. AT THE TIME THESE GRANT AND CONTRACT AWARDS ARE EXPENDED, A CORRESPONDING AMOUNT IS REPORTED AS RESTRICTED REVENUES IN THE STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES AND OTHER CHANGES. THE UNEXPENDED PORTION OF GRANT AND CONTRACT AWARDS WILL BE REPORTED AS REVENUES AND EXPENDITURES IN FUTURE PERIODS WHEN EXPENDED.

## ENDOWMENT FUND INVESTMENTS

ENDOWMENT FUND INVESTMENTS AND INVESTMENT ACTIVITY ARE RECORDED AT COST. FLUCTUATIONS IN MARKET VALUE ARE NOT REFLECTED IN THE FINANCIAL STATEMENTS AS UNREALIZED GAIN OR LOSS ON INVESTMENTS.

THE UNIVERSITY FOLLOWS THE POOLED INVESTMENT CONCEPT FOR ITS ENDOWMENTS WHEREBY ALL INVESTED FUNDS ARE INCLUDED IN ONE INVESTMENT POOL EXCEPT FOR INVESTMENTS OF CERTAIN ENDOWMENT FUNDS THAT ARE OTHERWISE RESTRICTED. INVESTMENT INCOME IS ALLOCATED TO EACH FUND PARTICIPATING IN THE POOL BASED ON ITS PRO RATA SHARE OF THE POOL.

## INVESTMENT IN PLANT

PLANT ASSETS, BUILDINGS AND EQUIPMENT, ARE STATED AT COST WHEN PURCHASED OR CONSTRUCTED. LAND IS VALUED AT APPRAISAL VALUE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MASSACHUSETTS DEPARTMENT OF CORPORATIONS AND TAXATION. THE ASSESSED VALUATION OF UNIVERSITY LAND SERVES AS THE BASIS FOR STATE REIMBURSEMENTS IN LIEU OF TAXES.

IN ACCORDANCE WITH THE PRACTICE GENERALLY FOLLOWED BY COLLEGES AND UNIVERSITIES, NO PROVISION FOR DEPRECIATION HAS BEEN RECORDED IN THE ACCOUNTS.

FUNDS FOR RETIREMENT OF INDEBTEDNESS

THE UNIVERSITY TRANSFERS A PORTION OF THE REVENUE RECEIVED FROM HOUSING, DINING, AND OTHER AUXILIARY ENTERPRISE ACTIVITIES TO A PLANT FUND RESERVE WHICH IS USED TO REPAY AUXILIARY ENTERPRISE BONDED INDEBTEDNESS.

OTHER SIGNIFICANT ACCOUNTING POLICIES

OTHER SIGNIFICANT ACCOUNTING POLICIES ARE SET FORTH IN THE FINANCIAL STATEMENTS AND THE NOTES THERETO.

UNIVERSITY OF MASSACHUSETTS  
NOTES TO FINANCIAL  
STATEMENTS  
JUNE 30, 1978

1. STATE APPROPRIATED FUNDS EXPENDITURES

AT THE CLOSE OF A FISCAL YEAR, REGULATIONS OF THE STATE COMPTROLLER'S DIVISION REQUIRE THAT PURCHASE ORDERS WHICH REPRESENT FINAL OUTSTANDING ENCUMBRANCES BECOME ACCOUNTS PAYABLE DURING THE SUCCEEDING FISCAL YEAR. CONSEQUENTLY, AT THE CLOSE OF THE FISCAL YEAR, THE UNIVERSITY RECOGNIZES ALL ENCUMBRANCES AGAINST STATE APPROPRIATED FUNDS AS EXPENDITURES IN THE STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES AND A CORRESPONDING ACCOUNTS PAYABLE IS RECOGNIZED IN THE BALANCE SHEET.

FUNDS TO COVER ACCOUNTS PAYABLE (ENCUMBRANCES) RECOGNIZED AGAINST STATE APPROPRIATED FUNDS ARE ON DEPOSIT WITH THE STATE TREASURER: HOWEVER, THE UNIVERSITY REPORTS THIS FIGURE ON THE BALANCE SHEET AS AMOUNTS ON DEPOSIT WHICH ARE SUBJECT TO WITHDRAWAL AT THE DISCRETION OF THE UNIVERSITY.

2. RESTRICTED GRANTS AND CONTRACTS

AS NOTED IN THE SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, THE UNIVERSITY RECOGNIZES RESTRICTED APPROPRIATIONS, GRANTS AND CONTRACTS AS ADDITIONS TO RESTRICTED FUNDS AT THE TIME THE AWARD IS RECEIVED RATHER THAN AT THE TIME THE SERVICES REQUIRED TO FULFILL THE TERMS OF THE GRANT OR CONTRACT ARE PERFORMED OR THE FUNDS RECEIVED. CONSEQUENTLY, THE CURRENT FUNDS RESTRICTED ACCOUNTS RECEIVABLE OF \$19,099,728 REPRESENTS THE TOTAL OF GRANT AND CONTRACT AWARDS MADE TO THE UNIVERSITY LESS FUNDS RECEIVED AGAINST THOSE AWARDS AS OF THE BALANCE SHEET DATE.

AT THE CLOSE OF THE FISCAL YEAR, ACCOUNTS RECEIVABLE REFLECTING THE VALUE OF SERVICES PERFORMED IN FULFILLMENT OF THE TERMS OF RESTRICTED GRANT AND CONTRACT AWARDS TOTALLED \$3,855,094.96.

3. ENDOWMENT FUND INVESTMENT

SCHEDULES COMPARING ENDOWMENT FUND INVESTMENTS ON A MARKET VALUE AND BOOK VALUE BASIS FOR FISCAL YEARS ENDED JUNE 30, 1978 AND 1977 ARE PROVIDED FOR POOLED ENDOWMENT FUNDS.

(21)

4. BASIC EDUCATIONAL OPPORTUNITY GRANTS (BEOG'S)

BASIC EDUCATIONAL OPPORTUNITY GRANTS ARE A MAJOR SOURCE OF STUDENT FINANCIAL AID. THE UNIVERSITY, UNDER FEDERAL LAW, DOES NOT DETERMINE ELIGIBILITY OF THE RECIPIENTS. THEREFORE BEOG AWARDS ARE CLASSIFIED AS AGENCY FUNDS RATHER THAN IN THE CURRENT FUNDS CATEGORY. CONSEQUENTLY, THE SCHOLARSHIPS AND FELLOWSHIPS EXPENDITURES REPORTED IN THE STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES DOES NOT REFLECT THIS AGENCY FUND ITEM \$5,160,907.51 IN BEOG AWARDS EXPENDED DURING 1978.

5. INVESTMENT IN PLANT

MAJOR CONSTRUCTION PROJECTS FOR NEW PHYSICAL PLANT AND ORIGINAL EQUIPMENT FINANCED FROM STATE CAPITAL OUTLAY APPROPRIATIONS ARE MANAGED AND CONTROLLED BY THE STATE BUREAU OF BUILDING CONSTRUCTION. THESE PROJECTS ARE NOT RECOGNIZED AS UNEXPENDED PLANT FUNDS BY THE UNIVERSITY AND THE UNIVERSITY DOES NOT RECOGNIZE ADDITIONS TO INVESTMENT IN PLANT FOR THESE PROJECTS UNTIL COMPLETED BY THE BUREAU OF BUILDING CONSTRUCTION AND FORMALLY ACCEPTED BY THE BOARD OF TRUSTEES.

THE UNIVERSITY RECOGNIZES EQUIPMENT PURCHASES AND IMPROVEMENTS AND RENOVATIONS FINANCED FROM CURRENT STATE MAINTENANCE APPROPRIATIONS AS EXPENDITURES OF CURRENT FUNDS AND ADDITIONS TO INVESTMENT IN PLANT.

CHANGES IN APPRAISAL VALUE ARE RECOGNIZED PERIODICALLY AS ADDITIONS OR DEDUCTIONS TO INVESTMENT IN PLANT.

IN 1978 TOTAL ADDITIONS TO INVESTMENT IN PLANT ARE SUMMARIZED AS FOLLOWS:

CONSTRUCTION PROJECTS COMPLETED BY BUREAU OF BUILDING CONSTRUCTION AND ACCEPTED BY BOARD OF TRUSTEES	\$ 25,000
EQUIPMENT PURCHASES AND RENOVATIONS FROM CURRENT FUNDS	4,276,296
INCREASE IN APPRAISAL VALUE	-0-
	<hr/>
	\$4,301,296
	<hr/>



6. TUITION AND FEES

TUITION AND FEES INCLUDES ALL TUITION AND FEES ASSESSED AGAINST STUDENTS FOR EDUCATIONAL PURPOSES. THIS CATEGORY INCLUDES \$14,493,709 IN TUITION AND FEES COLLECTED BY THE UNIVERSITY ON BEHALF OF THE STATE AND REMITTED TO THE STATE TREASURER AS GENERAL FUND INCOME (NOTE 7).

CHARGES FOR ROOM, BOARD, AND OTHER SERVICES RENDERED BY AUXILIARY ENTERPRISES ARE NOT INCLUDED IN THIS CATEGORY BUT ARE CLASSIFIED AS SALES AND SERVICES OF AUXILIARY ENTERPRISES.

7. STATE APPROPRIATIONS

THE AMOUNT REPORTED AS STATE APPROPRIATIONS REPRESENTS THE ORIGINAL APPROPRIATION FROM THE STATE LESS DEDUCTIONS FOR RECEIPTS FROM STUDENT TUITION AND FEES, SALES AND SERVICES OF THE HOSPITAL, AND OTHER MISCELLANEOUS STATE INCOME. THESE RECEIPTS WERE COLLECTED BY THE UNIVERSITY ON BEHALF OF THE STATE AND REMITTED TO THE STATE TREASURER AS GENERAL FUND INCOME.

RECEIPTS FROM STUDENT TUITION AND FEES, SALES AND SERVICES OF THE HOSPITAL, AND OTHER MISCELLANEOUS STATE INCOME REMITTED TO THE STATE ARE PRESENTED AS AN OFFSET TO THE STATE APPROPRIATION. THE TOTAL OF SUCH RECEIPTS COLLECTED ON BEHALF OF THE STATE IS DEDUCTED FROM THE TOTAL FOR STATE APPROPRIATIONS AND ADDED TO THE TOTAL FOR TUITION AND FEES (NOTE 6), THE TOTAL FOR SALES AND SERVICES OF HOSPITAL (NOTE 8), AND THE TOTAL FOR OTHER SOURCES (NOTE 10).

THE 1978 STATE APPROPRIATION IS SUMMARIZED AS FOLLOWS:

ORIGINAL APPROPRIATION	\$108,479,207
LESS:	
TUITION AND FEES	14,493,709
SALES AND SERVICES OF HOSPITAL	15,466,160
OTHER STATE INCOME	<u>991,540</u>
NET APPROPRIATIONS	\$ 77,527,798

8. SALES AND SERVICES OF HOSPITAL

(22)

SALES AND SERVICES OF HOSPITAL INCLUDES RECEIPTS FROM DAILY PATIENT, SPECIAL, AND OTHER SERVICES. THIS CATEGORY INCLUDES \$15,466,160 IN RECEIPTS COLLECTED BY THE UNIVERSITY ON BEHALF OF THE STATE AND REMITTED TO THE STATE TREASURER AS GENERAL FUND INCOME (NOTE 7).

9. INDIRECT COST RECOVERIES

THE UNIVERSITY RECORDS THE RECOVERY OF INDIRECT COSTS APPLICABLE TO THOSE SPONSORED (I.E., RESTRICTED) PROGRAMS WHICH PROVIDE FOR THE FULL OR PARTIAL REIMBURSEMENT OF SUCH COSTS AS REVENUE IN THE CURRENT UNRESTRICTED FUND, UNDER THE THEORY THAT THE REVENUE PROVIDED BY SUCH GRANTS FOR THIS PURPOSE REPRESENTS UNRESTRICTED GRANTS AND THAT THE RESTRICTED PORTION OF SUCH GRANTS IS INTENDED TO FUND ONLY THOSE DIRECT EXPENDITURES TO BE CHARGED TO THE GRANTS IN THE CURRENT RESTRICTED FUND.

INDIRECT COST RECOVERIES IN THE AMOUNT OF \$3,625,423 WERE REALIZED IN 1978 FROM OVERHEAD ON GRANTS AND CONTRACTS AND FROM INSTITUTIONAL ALLOWANCE AND ADMINISTRATIVE ALLOWANCE ON CERTAIN FEDERAL PROGRAMS. INDIRECT COST RECOVERIES SUMMARIZED BY FUND OR LEVEL ARE AS FOLLOWS:

INDIRECT COST RECOVERED:

FEDERAL GRANTS AND CONTRACTS	\$3,150,928
STATE GRANTS AND CONTRACTS	200,977
LOCAL GRANTS AND CONTRACTS	28,507
PRIVATE GRANTS AND CONTRACTS	<u>245,011</u>
TOTAL	<u>\$3,625,423</u>

10. OTHER SOURCES

OTHER SOURCES INCLUDES RECEIPTS FROM CONFERENCE PROGRAMS, MISCELLANEOUS RENTALS, AND SALES OR PRODUCTIVE ENTERPRISES.

THIS CATEGORY INCLUDES \$991,540 IN RECEIPTS COLLECTED BY THE UNIVERSITY ON BEHALF OF THE STATE AND REMITTED TO THE STATE TREASURER AS GENERAL FUND INCOME (NOTE 7).



ADDENDUM **A**

GENERAL LEDGER SUMMARY



## UNIVERSITY OF MASSACHUSETTS ACCOUNTING SYSTEM REPORT

RUN DATE 03/26/81

INDEX 0-00001

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

PGM=AA0066Y

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CASH MANAGEMENT ACCOUNTS								
00001	UMBA PROJECT 1	0.00	750,526.53-	714,783.43	0.00	0.00	0.00	226,515.67
00002	UMBA PROJECT 2	0.00	1695,153.17-	1527,426.90	0.00	0.00	0.00	596,053.41
00003	UMBA PROJECT 3	0.00	257,657.50-	257,657.50	0.00	0.00	0.00	0.00
00004	UMBA PROJECT 4	0.00	2662,439.43-	2703,648.40	0.00	0.00	0.00	134,287.42
00005	UMBA PROJECT 5	0.00	325,968.32-	325,968.32	0.00	0.00	0.00	0.00
00006	UMBA PROJECT 6	0.00	2314,942.58-	2377,049.40	0.00	0.00	0.00	116.34
00007	UMBA PROJECT 7	0.00	332,335.09-	332,335.09	0.00	0.00	0.00	0.00
00008	UMBA PROJECT 8	0.00	1670,206.22-	1672,518.21	0.00	0.00	0.00	263.53
00009	UMBA PROJECT 9	0.00	327,403.58-	327,403.58	0.00	0.00	0.00	0.00
00010	UMBA PROJECT 10	0.00	1342,584.20-	1344,862.30	0.00	0.00	0.00	100.76
00011	UMBA PROJECT 11	0.00	8299,140.24-	8224,156.39	0.00	0.00	0.00	86,108.28
00012	UMBA PROJECT 12	0.00	2863,564.30-	2866,711.83	0.00	0.00	0.00	377.42
00013	UMBA PROJECT 13	0.00	1452,920.73-	1472,361.65	0.00	0.00	0.00	14,527.38
00014	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00015	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00016	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00017	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00018	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00019	UNASSIGNED	0.00	215,031.06-	219,031.06	0.00	0.00	0.00	0.00
00020	TRUST FUNDS	0.00	308442,369.30-	307196,846.08	0.00	0.00	0.00	13209,916.24
00021	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00022	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00023	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00024	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00025	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00026	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00027	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00028	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00029	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00030	FEDERAL FUNDS	0.00	28778,144.96-	28380,451.34	0.00	0.00	0.00	230,018.55
00031	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00032	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00033	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00034	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00035	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00036	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00037	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00038	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00039	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00040	S MAINT LED 4 PRES	0.00	1050,569.58-	1050,569.58	0.00	0.00	0.00	0.00
00041	S MAINT LED 4 GCV	0.00	128,541.96-	128,541.96	0.00	0.00	0.00	0.00
00042	S MAINT LED 4 AMH	0.00	132918,222.62-	132918,222.62	0.00	0.00	0.00	0.00
00043	S MAINT LED 4 BOS	0.00	21175,172.38-	21170,424.58	0.00	0.00	0.00	4,747.80
00044	S MAINT LED 4 WOR	0.00	11453,925.34-	11394,100.71	0.00	0.00	0.00	59,824.63
00045	S ACCOUNTS PAYABLE	0.00	11159,673.05-	12263,886.24	0.00	0.00	0.00	4032,297.56
00046	S SPECIALS LED 6	0.00	4422,291.55-	4415,972.46	0.00	0.00	0.00	128,328.71



PGM=AA0066Y      GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78      INDEX 0-00093

FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CASH MANAGEMENT ACCOUNTS								
00093	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00094	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00095	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00096	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00097	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00098	UNASSIGNED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
00099	X 0-13000-160 SUSPENSE	0.00	4678,081.59-	4696,304.39	0.00	0.00	0.00	2,335.52
TOTAL		0.00	822375,876.51-	820030,431.53	0.00	0.00	0.00	20454,977.58
CASH MANAGEMENT ACCOUNTS								





FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS UNRESTRICTED								
15000	PAYROLL W/H-EMP GROUP IN	0.00	0.00	0.00	0.00	538,941.10-	0.00	538,941.10
15001	EMP GROUP IN/ADMIN COSTS	25,589.97-	0.00	0.00	25,589.97-	15,062.13	0.00	10,527.84
15010	PAYROLL W/H-ANNUITIES	0.00	0.00	0.00	0.00	125,885.30-	0.00	125,885.30
15020	PAYROLL W/H-FED RETIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15030	PAYROLL W/H-SAVINGS BOND	0.00	0.00	0.00	0.00	5,655.76-	0.00	5,655.76
15040	PAYROLL W/H-FICA	0.00	0.01-	0.00	0.01-	0.01	0.00	0.00
15050	TRUST FUND/UNPAID CHECKS	0.00	0.00	0.00	0.00	84,955.47-	0.00	84,955.47
15401	STATE-UNCLAIMED WAGES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15402	STATE-UNPAID CHECK FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15405	STATE-ACCT PAY PY DEFICI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15410	STATE RETROACTIVE PAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15421	STATE ACCT PAY PR YR/PRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15431	STATE ACCT PAY PR YR/GSR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15451	STATE ACCT PAY PR YR/AMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15471	STATE ACCT PAY PR YR/80S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15491	STATE ACCT PAY PR YR/WCR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15493	STATE ACCT PAY PR YR/HOS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15495	STATE ACCT PAY/P4 OTH MA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16500	SCHOL CLEARING/AMHERST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16501	SCHOL CLEARING/BOSTON	0.00	0.00	0.00	0.00	99,163.67-	0.00	99,163.67
16502	LINCOLN & UNIV SECURITY	0.00	0.00	0.00	0.00	10,849.00	0.00	10,849.00-
16521	LINCOLN & UNIV INTEREST	1,880.18-	643.00-	0.00	2,523.18-	23,473.95-	12,000.00	11,473.95
16530	NORTH VILLAGE SECURITY	0.00	0.00	0.00	0.00	2,329.30	0.00	193.88
16531	NORTH VILLAGE INTEREST	4,084.88-	1,333.56-	0.00	5,418.44-	27,187.15-	25,000.00	2,187.15
16540	PHYSICAL PLANT LOCK DEP	9.00-	0.00	0.00	9.00-	5,002.27	0.00	416.17
16550	UNCLASSIFIED RECEIPTS	0.00	0.00	0.00	0.00	143.00-	0.00	152.00
16551	UNCLASSIFIED RECEIPTS	0.00	0.00	0.00	0.00	1,000.00-	0.00	1,000.00
16552	UNCLASSIFIED RECEIPTS	0.00	0.00	0.00	0.00	16,729.00-	0.00	96,729.00
16560	OPCA DEPOSIT CLEARING	95,598.90	31,866.30-	0.00	63,732.60	20,345.19-	0.00	20,345.19
16575	RETROACTIVE P/R CONTROL	0.00	0.00	0.00	0.00	0.00	0.00	63,732.60-
16601	TUITION & FEES/AMHERST	0.00	0.00	0.00	0.00	101,692.52-	0.00	101,692.52
16602	UNDIST RENT/AMHERST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16603	TUITION & FEES/BOSTON	0.00	0.00	0.00	0.00	8,623.85-	15.00-	11,379.85
16604	TUITION & FEES/WORC	0.00	0.00	0.00	0.00	4,112.50-	0.00	4,112.50
16605	LAB FEES/AMHERST	0.00	0.00	0.00	0.00	778.25-	0.00	778.25
16716	SMITH FUND	0.00	0.00	0.00	0.00	3,066.00-	0.00	3,066.00
16720	WILLIAM ROSS FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16721	ROBERT J MCCARTNEY FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16722	SCHILLER-SPIEGEL MEMORIA	1,100.00-	10.00-	0.00	1,110.00-	55,252.24-	0.00	56,362.24
16723	W ROY ELLIOT SCHOLARSHIP	4,271.00-	0.00	0.00	4,271.00-	910.00-	0.00	5,181.00
16724	C MCGREGOR SCHOLARSHIP	0.00	0.00	0.00	0.00	2,702.36-	0.00	2,702.36
16725	CHARLES HIRAM THAYER	0.00	0.00	0.00	0.00	3,066.00	0.00	3,066.00-
16726	A BLASKO SCHOLARSHIP	0.00	0.00	0.00	0.00	135.00-	0.00	135.00
16727	PSYCHOLOGICAL SERVICES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16728	HOWARD A TURNER FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16750	STUDENT HEALTH SERV/PERM	168,740.47-	0.00	36,000.00	132,740.47-	54,426.21-	36,000.00	151,166.68













PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

INDEX 0-19136

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS UNRESTRICTED								
19136	FOREIGN PROGRAMS	0.00	176,601.00-	155,494.87	21,106.13-	0.00	0.00	21,106.13
19137	FOREIGN PROGRAMS	0.00	86,301.83-	86,121.60	180.43-	0.00	0.00	180.43
19138	LAB FEES	200,168.94-	285,483.20-	342,142.87	147,509.27-	0.00	0.00	147,509.27
19139	LAB FEES / BOSTON	78.98-	3,637.50-	774.00	2,942.48-	0.00	0.00	2,942.48
19192	OTHER INCOME	687.67-	3,117.02-	215.03	3,589.66-	0.00	0.00	3,589.66
19193	OTHER INCOME	0.00	29.75-	66.15	36.40	0.00	0.00	36.40-
19194	OTHER INCOME	0.00	2,289.44-	0.00	2,289.44-	0.00	0.00	2,289.44
19196	OVER/SHORT(PRESIDENT)	3,630.89	0.00	0.00	3,630.89	0.00	0.00	3,630.89-
19197	OVER/SHORT(AMPERST)	84.76-	0.85-	0.00	85.61-	0.00	0.00	85.61
19198	OVER/SHORT(BOSTON)	2,172.12-	641.90-	2,814.02	0.00	0.00	0.00	0.00
19199	OVER/SHORT(MEDICAL CTR)	0.00	0.11	0.00	0.11	0.00	0.00	0.11-
19200	UNUSEO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19319	MEDICAL CENTER DAY CARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19320	COOPERATIVE EXTENSION	0.00	29,804.29-	13,657.97	16,146.32-	0.00	0.00	16,146.32
19321	R S O	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19322	STUDENT ACTIVITIES	0.00	20,000.00-	0.00	20,000.00-	0.00	20,000.00	0.00
19323	CONFERENCE SERVICES	0.00	4,876.94-	4,989.46	112.52	0.00	0.00	112.52-
19324	STUDENT HEALTH SERVICES	0.00	83,852.37-	32,353.40	51,498.97-	0.00	0.00	51,498.97
19325	SUMMER HOUSING	0.00	251,645.21-	129,617.56	122,031.65-	0.00	0.00	122,031.65
19326	IME RESEARCH SERVICES	0.00	240.00-	25.02-	265.02-	3,000.00-	0.00	3,265.02
19327	AMINO ACID ANALYZER	0.00	19,200.00-	5,659.51	13,540.49-	0.00	0.00	13,540.49
19328	ATHLETIC TRUST FUND	0.00	67,484.50-	24,620.87	42,863.63-	0.00	0.00	42,863.63
19329	TRANSIT OPERATIONS	0.00	666,009.06-	666,921.74	912.68	0.00	0.00	912.68-
19330	CONFERENCE SERVICES	47,653.16-	433,148.20-	315,710.68	165,090.68-	0.00	0.00	165,090.68
19331	PHYSICS INVENTORY	329.35-	0.00	330.33-	659.68-	0.00	0.00	659.68
19332	CHEMISTRY INVENTORY	15,038.66-	3,882.77-	1,468.49-	20,389.92-	0.00	0.00	20,389.92
19333	MSG SERVICES	0.00	21,475.33-	1,151.89-	22,631.22-	0.00	0.00	22,631.22
19334	VALLEY HEALTH PLAN	9,068.41-	328,659.86-	272,829.62	64,898.65-	0.00	0.00	64,898.65
19335	FINE ARTS CENTER	5,971.66-	404,899.96-	391,772.82	19,098.80-	576.50-	0.00	19,675.30
19336	TRANSCRIPT SERVICES	28,094.77-	62,710.76-	46,128.60	44,676.93-	0.00	0.00	44,676.93
19337	CREDENTIALED SERVICES	1,119.95-	2.00-	0.00	1,121.95-	0.00	0.00	1,121.95
19338	PTF-CONTROLLER	3,452.45-	0.00	1,686.52-	5,138.97-	0.00	0.00	5,138.97
19339	PTF-RRM	22,463.58	0.00	18,772.16-	3,691.42	0.00	0.00	3,691.42-
19340	UMBA PROJECT #10	344,621.14	625,256.66-	672,534.76	391,859.24	392,000.00-	0.00	100.76
19341	UMBA PROJECT #1	190,772.57-	423,499.73-	387,756.63	226,515.67-	0.00	0.00	226,515.67
19342	UMBA PROJECT #2	428,327.14-	1004,363.04-	836,636.77	596,053.41-	0.00	0.00	596,053.41
19343	UMBA PROJECT #3	101,031.66	510,222.01-	681,662.97	272,472.62	287,000.00-	0.00	14,527.38
19344	UMBA PROJECT #4	681,496.39-	1370,077.27-	1411,286.24	640,287.42-	0.00	0.00	134,287.42
19345	RESIDENCE HALL TRUST	981,577.94-	2073,922.28-	1535,864.36	1519,635.86-	0.00	0.00	728,135.86
19346	UMBA PROJECT #6	382,222.76-	1276,313.41-	1356,419.83	302,116.34-	0.00	0.00	116.34
19347	LINCOLN & UNIVERSITY APT	131,049.14-	262,106.44-	294,681.39	98,474.19-	0.00	0.00	98,474.19
19348	UMBA PROJECT #8	131,424.48	823,661.23-	856,573.22	164,736.47	165,000.00-	0.00	263.53
19349	UMBA PROJECT #12	533,474.65	1046,215.61-	1267,863.14	755,122.18	755,500.00-	0.00	377.82
19350	UNIVERSITY STORE	27,668.32-	3818,435.35-	3834,586.40	11,517.27-	31,882.56	10,600.00	30,965.25-
19351	FOOD SERVICE	351,337.90-	1904,431.85-	1956,057.04	299,712.71-	302,621.06	3,020.00	5,928.35-
19352	ACCOMMODATIONS SERVICES	24,812.26	505,618.23-	621,752.49	140,946.52	364,468.76-	2,000.00	221,522.24

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS UNRESTRICTED								
19353	PARKING GARAGE	661,752.15	540,356.77-	413,917.03	535,312.41	50,000.00-	0.00	485,312.41-
19354	RETAIL SERVICES	14,870.40-	440,147.47-	349,761.32	105,256.55-	36,000.00-	50,000.00	91,256.55
19355	MAINTENANCE & OPERATING	227,899.76	2828,917.83-	2782,357.62	181,339.55	110,000.00-	24,700.00	96,039.55-
19356	STUDENT AUTOMATIC SERV	101,392.94-	109,791.74-	101,630.09	109,554.59-	0.00	0.00	109,554.59
19357	LAB FEES	332.50	332.50-	0.00	0.00	0.00	0.00	0.00
19358	ATHLETIC TRUST	48,766.05-	879,336.34-	944,576.94	16,474.55	29,000.00-	10,000.00	2,525.45
19359	BOWLING ALLEY & LAUNDRY	1,576.47-	17,016.05-	18,446.67	145.85-	0.00	0.00	145.85
19360	GEN REC & INTRAMURALS	11,237.67-	148,637.24-	150,409.61	9,465.30-	0.00	0.00	9,465.30
19361	RECREATIONAL ACTIVITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19362	ATHLETIC EVENTS TRUST	15,822.17-	160,854.73-	85,447.48	91,229.42-	0.00	29,000.00	62,229.42
19363	STUDENT HEALTH SERVICES	107,399.34-	3145,741.52-	3243,703.63	9,427.23-	0.00	0.00	9,427.23
19364	BOARDING HALLS	1200,932.60-	8790,748.59-	8369,252.88	1622,448.31-	0.00	1,000.00	1621,448.31
19365	CONTINUING EDUCATION	42,025.14-	1450,833.68-	1252,525.65	239,929.13-	0.00	0.00	239,929.13
19366	NEW STUDENT COUNSELING	174,489.11-	106,204.33-	93,044.37	187,649.07-	0.00	0.00	187,649.07
19367	DORMITORY PERSONNEL	135,302.40	36,055.19-	91,001.40	190,248.61	0.00	0.00	190,248.61
19368	GENERAL SERVICES TRUST	1261,412.52-	385,856.40-	307,799.54	1339,469.38-	0.00	0.00	1339,469.38
19369	RESIDENCE HALL TEL TRUST	77,999.46-	465,916.07-	475,622.20	68,293.33-	0.00	0.00	68,293.33
19370	PARKING OPERATIONS	232,632.42-	367,947.41-	553,622.94	46,956.89-	0.00	0.00	46,956.89
19371	COMPUTER TRUST FUND	16,016.62-	356,852.92-	358,314.41	14,555.13-	0.00	0.00	14,555.13
19372	PHOTO CENTER TRUST	26,668.47-	54,584.54-	60,293.00	20,960.01-	0.00	0.00	20,960.01
19373	UNIV COPY CENTERS	68,778.33-	251,833.40-	271,364.25	89,247.48-	5,000.00-	0.00	94,247.48
19374	UNIV DAY CARE CENTER	14,024.60-	36,612.39-	32,866.05	17,770.94-	0.00	0.00	17,770.94
19375	UNIV PRESS	37,706.74-	281,047.09-	233,391.72	85,362.11-	0.00	0.00	85,362.11
19376	RESEARCH COUNCIL SERVICE	19,684.62-	25,635.57-	22,062.68	23,457.51-	0.00	0.00	23,457.51
19377	ACADEMIC THEATRE	2,343.70-	10,152.52-	10,422.26	2,073.96-	0.00	0.00	2,073.96
19378	UNIV CHILD CARE CENTERS	15,511.69-	54,783.29-	47,055.26	23,239.72-	0.00	0.00	23,239.72
19379	SUMMER HOUSING	0.00	16,872.66-	16,872.66	0.00	0.00	0.00	0.00
19380	FOOD SERVICES	46,923.37-	44,906.11-	15,787.23	76,042.25-	21.00	0.00	76,021.25
19381	BOOK SHOP	20,748.10	37,918.39-	132.70	17,037.59-	0.00	0.00	17,037.59
19382	STUDENT HEALTH SERVICES	82,991.03-	347,689.53-	369,900.03	60,780.53-	0.00	0.00	60,780.53
19383	COPY CENTERS	10,398.19-	133,077.84-	118,722.51	24,753.52-	0.00	0.00	24,753.52
19384	TRANSPORTATION & PARKING	172,624.00-	419,184.95-	387,926.98	203,881.97-	0.00	1,000.00	202,881.97
19385	CHILD CARE PROGRAM	14,494.68-	83,256.11-	85,289.17	12,461.62-	0.00	0.00	12,461.62
19386	UMB COMPUTER TRUST FUND	4,261.10-	22,267.55-	27,484.18	955.53	0.00	0.00	955.53-
19387	STORES INVENTORY	13,464.49-	0.00	18,474.32-	31,938.81-	0.00	0.00	31,938.81
19388	MEDIA SERVICES	9,926.56	40,885.69-	59,726.22	28,767.09	0.00	0.00	28,767.09-
19389	SURVEY RESEARCH PGM	133,667.73	283,959.57-	134,587.91	15,303.93-	0.00	0.00	15,303.93
19390	WORCESTER INVENTORY	32,207.11-	62,347.96-	48,130.19	46,504.88-	0.00	0.00	46,504.88
19391	UNIVERSITY HOSPITAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19392	FOOD SERVICES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19393	BOOK STORE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19394	STUDENT HOUSING	27,819.29	32,671.05-	25,237.73	20,385.97	40,286.00-	0.00	19,900.03
19395	CONTINUING EDUCATION	912.58-	58,266.29-	86,152.47	27,013.60	0.00	0.00	27,013.60-
19396	GROUP PRACTICE TRUST	546,330.81	3477,015.38-	2740,942.39	189,742.18-	200,000.00-	0.00	389,742.18
19397	THE GIFT SHOP	5,079.05-	49,636.33-	40,368.20	14,347.18-	0.00	200.00	14,147.18
19398	ANIMAL RESOURCE	22,232.65-	63,366.12-	45,624.58	39,974.19-	0.00	0.00	39,974.19

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS UNRESTRICTED								
19399	MACH & ELECTRONICS SHOPS	1,812.50-	10,592.24-	0.00	12,404.74-	0.00	0.00	12,404.74
19405	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19411	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19413	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19415	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19417	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19419	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19420	7400-0010 PRESIDENT APPR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19421	ALLOT 7400-0010 PRESIDENT	0.00	1013,366.28-	1013,366.28	0.00	0.00	0.00	0.00
19422	7400-0100 GOVT SER APPR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19423	ALLOT 7400-0100 GOV SERV	0.00	121,646.24-	121,646.24	0.00	0.00	0.00	0.00
19424	7410-0000 AMHERST APPROP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19425	ALLOT 7410-0000 AMHERST	0.00	73481,346.62-	73481,346.62	0.00	0.00	0.00	0.00
19426	7416-1001 BOSTON APPROP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19427	ALLOT 7416-1001 BOSTON	0.00	19859,321.00-	19854,573.20	4,747.80-	0.00	0.00	4,747.80
19428	7411-1005 WORCESTER APPR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19429	ALLOT 7411-1005 WORCESTER	0.00	10503,527.00-	10443,702.37	59,824.63-	0.00	0.00	59,824.63
19430	7411-1006 HOSPITAL APPR	0.00	3500,000.00-	3500,000.00	0.00	0.00	0.00	0.00
19431	7411-1007 HOSPITAL TRUST	0.00	13836,655.25-	13055,269.38	781,285.87-	136,353.00-	10,350.00	907,288.87
19481	A/P PRESIDENTS OFFICE	0.00	0.00	0.00	0.00	35,846.54-	0.00	35,846.54
19483	A/P IGS	0.00	0.00	0.00	0.00	3,636.05-	0.00	3,636.05
19485	A/P AMHERST	0.00	0.00	0.00	0.00	1829,893.50-	0.00	1829,893.50
19487	A/P BOSTON	0.00	0.00	0.00	0.00	1120,944.63-	0.00	1120,944.63
19489	A/P MEDICAL SCHOOL	0.00	0.00	0.00	0.00	838,378.56-	0.00	838,378.56
19490	A/P HOSPITAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19531	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19532	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19533	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19535	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19537	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19539	UNUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## TOTAL

CURRENT FUNDS UNRESTRICTED	10698,285.33-178291,833.61-175410,504.82	13579,614.12-	7266,966.39-	2856,114.40	17950,466.11
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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20001	MA MARINE SERV INDUS STU	2.50-	0.00	2.50	0.00	0.00	0.00	0.00
20002	REMOTE SENSING/MACCONNEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20003	SOIL & HEALTH	5.49-	0.00	0.00	5.49-	0.00	0.00	5.49
20006	AMER CANCER SOC PS50	0.00	0.00	0.00	0.00	0.00	2,082.00-	2,082.00-
20007	AMER CHEMICAL SOCIETY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20009	AMER PETROLEUM INST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20013	N E VEGETABLE GROWERS	36.405-	0.00	203.10	160.95-	0.00	0.00	160.95
20016	CARNEGIE/WOMEN OPERATION	11,289.04-	0.00	0.00	11,289.04-	0.00	0.00	11,289.04
20017	CARNEGIE/WOMEN PROGRAM	34,942.59-	0.00	2,133.60	32,808.99-	0.00	0.00	32,808.99
20020	COMTECH/CLASS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20023	COTTRELL/MCGILL	189.06-	0.00	0.00	189.06-	0.00	0.00	189.06
20026	COTTRELL/SCHWARTZ	88.31-	0.00	0.00	88.31-	0.00	0.00	88.31
20027	COTTRELL/VAN WILLIGEN	1,393.60-	0.00	0.00	1,393.60-	0.00	0.00	1,393.60
20028	COTTRELL/WEINSTOCK	1,148.89-	0.00	1,145.00	3.89-	0.00	0.00	3.89
20031	ESSO ED FOUNDATION	1,700.39-	0.00	265.80	1,434.59-	0.00	0.00	1,434.59
20033	MAURICE FALK MED/KRAMER	7,248.72-	0.00	0.00	7,248.72-	0.00	8,500.00	1,251.28-
20035	FORD/PATTERSON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20039	HERMAN FRASCH FOUND 2	381.32-	0.00	381.32	0.00	0.00	0.00	0.00
20041	GITTLESON FOUND SOC PSYC	2,018.72-	0.00	149.99	1,868.73-	0.00	0.00	1,868.73
20042	GRAM COMM HEALTH NURSING	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20043	GRANT FOUNDATION	5,926.99-	0.00	5,926.99	0.00	0.00	0.00	0.00
20045	GULF 7310A80-3	676.23-	0.00	0.00	676.23-	0.00	0.00	676.23
20059	IFLT FY73 XI EARLY CHILD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20072	IFLT FY74 IX SUSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20073	IFLT FY74 X UNDERGRAD BI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20074	IFLT FY74 XI EARLY CHILD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20081	KETTERING FOUND/SCHIMMEL	1,436.73-	0.00	1,436.73	0.00	0.00	0.00	0.00
20084	LOWER PIONEER VALLEY REG	420.68-	0.00	420.68	0.00	0.00	0.00	0.00
20089	MA SCI & TECH FOUND/REO	10,040.57-	0.00	10,040.57	0.00	0.00	0.00	0.00
20090	MASS MERCHANDISING	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20091	MA SOC PROMOTE AGR/WALTH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20092	MA NURSERYMENS ASSOC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20093	MERCK CO FOUNDATION	9.35-	0.00	0.00	0.00	0.00	0.00	0.00
20095	MEDICAL FOUND/KRAMER	1,214.52-	0.00	6.20	3.15-	0.00	0.00	3.15
20096	CHARLES E MERRILL	1,282.49-	0.00	0.00	1,214.52-	0.00	0.00	1,214.52
20097	MORSE FOUNDATION	20.25-	0.00	2.75	1,279.74-	0.00	0.00	1,279.74
20100	N E CTR FOR CONT ED	0.00	0.00	0.00	20.25-	0.00	0.00	20.25
20101	NECEP/REGIONAL PROGRAM	131.11-	0.00	0.00	0.00	0.00	0.00	0.00
20102	NATL LEAGUE OF CITIES	19,602.00-	0.00	0.00	131.11-	0.00	317.87	186.76-
20103	NEW ENG REG COMM/RHODES	0.00	0.00	0.00	19,602.00-	0.00	11,434.50	8,167.50
20106	PHAR MFG ASSOC/COOKE	1,528.01-	0.00	1,505.73	22.28-	0.00	0.00	22.28
20107	PHAR MFG ASSOC/FEINBLATT	23.80-	0.00	8.30	15.50-	0.00	0.00	15.50
20108	PIITS ANTI-TUBER ASSOC	5,753.19-	0.00	1,352.08	4,441.11-	0.00	0.00	4,441.11
20112	PCP COUNCIL/HOWE #2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20113	AMER CHEM PRF	4,320.65-	2,000.00-	5,468.49	852.16-	0.00	1,500.00-	2,352.16
20117	AMER CHEM PRF 5129-AC1	614.25-	0.00	614.25	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20121	AMER CHEM PRF 6112-AC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20124	AMER CHEM PRF 6945-AC4	241.05-	0.00	240.00	1.05-	0.00	0.00	1.05
20127	RESEARCH SERVICE-AGR	6.91-	500.00-	498.53-	1,005.44-	0.00	0.00	1,005.44
20130	SHAW FOUND/ED REHAB	0.00	327.01-	327.01	0.00	0.00	0.00	0.00
20132	A P SLOAN 73-12-4	18,441.76-	0.00	16,716.43	1,725.33-	0.00	0.00	1,725.33
20136	PETER E STRAUSS	550.32-	0.00	0.00	550.32-	0.00	0.00	550.32
20141	WILDLIFE MANAGEMENT	2,596.59-	1,000.00-	3,310.31	286.28-	0.00	0.00	286.28
20142	WORC FRANK HLTH ASSOC	316.84-	0.00	277.20	39.64-	0.00	0.00	39.64
20146	RUSSELL SAGE FOUNDATION	578.45-	0.00	578.45	0.00	0.00	0.00	0.00
20149	AMER CHEM PRF 7779 AC5-7	1.08-	0.00	1.08	0.00	0.00	0.00	0.00
20150	SIECUS/HUMAN SEX BLK EXP	391.41-	0.00	0.00	391.41-	0.00	0.00	391.41
20157	MAX KADE PROFESSORSHIP	860.50	6,200.00-	5,551.07	211.57	0.00	1,800.00-	1,588.43
20162	NEW ENG REG COM/KREPLICK	1,952.11-	0.00	0.00	1,952.11-	0.00	738.58	1,213.53
20163	AMER CHEM PRF 7750-AC5,6	640.57-	0.00	640.57	0.00	0.00	0.00	0.00
20165	AMER CHEM PRF 7993 AC 4	742.55-	500.00-	1,161.65	80.90-	0.00	0.00	80.90
20166	EXXON ED FOUND #2/DIXON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20167	NEW ENG CTR/ERTEL	13,194.47-	0.00	13,194.47	0.00	0.00	0.00	0.00
20170	IFLT FY75 ADMIN	79,834.84-	0.00	133.78	79,701.06-	0.00	55,325.07	24,375.55
20171	IFLT FY75 OPEN SPACE	2,810.00	0.00	0.00	2,810.00	0.00	2,950.50-	140.50
20172	IFLT FY75 BILINGUAL	428.26	0.00	0.00	428.26	0.00	420.00-	8.26-
20173	IFLT FY75 SECONDARY	3,185.00	0.00	0.00	3,185.00	0.00	3,344.25-	159.25
20174	IFLT FY75 ATS STAFF	45,150.79	0.00	0.00	45,150.79	0.00	41,552.37-	3,598.42-
20175	IFLT FY75 ATS PROGRAMS	13,519.48	0.00	0.00	13,519.48	0.00	12,672.95-	846.53-
20177	AMER CANCER SOC NP-170	1,008.13-	0.00	1,008.13	0.00	0.00	0.00	0.00
20178	AMER CANCER SOC VC-167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20179	CCTIRELL/PAPADOPOULOS	4,497.00-	0.00	0.00	4,497.00-	0.00	0.00	4,497.00
20183	INCR #1	2,952.02-	0.00	2,952.02	0.00	0.00	0.00	0.00
20184	M08IL FOUNDATION/ABLE	1,040.92-	0.00	346.11	694.81-	0.00	0.00	694.81
20188	LILLY/U M FOUND/LEADER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20189	ACS-PRF DEP RESEARCH	1,500.00-	0.00	500.00	1,000.00-	0.00	0.00	1,000.00
20190	ROCKEFELLER BRDS FUND	11,603.06-	0.00	5,236.28	6,366.78-	0.00	0.00	6,366.78
20191	CYSTIC FIBROSIS(8 BELK)	9,118.75-	0.00	9,118.75	0.00	0.00	0.00	0.00
20192	AMER CANCER SOC/NORKIN	92.63-	0.00	92.63	0.00	0.00	0.00	0.00
20193	ORTHO RES FOUND	2,565.00-	0.00	2,459.96	65.04-	0.00	0.00	65.04
20195	A P SLOAN/ZUBE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20196	AMER HEART/DOBSON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20197	AMER HEART/PECHET	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20198	AMER CHEM PRF 8355-AC6-C	92.78	500.00-	407.22	0.00	0.00	0.00	0.00
20199	M08IL RESEARCH CORP/WISE	902.89-	2,000.00-	152.29	2,750.60-	0.00	0.00	2,750.60
20201	EXXON ED FOUND/CEMS	10,340.44-	723.20-	11,063.64	0.00	0.00	627.04	0.00
20202	HAMP MENTAL HLTH/JARMON	1,635.74-	0.00	0.00	1,635.74-	0.00	0.00	1,008.70
20203	ANATOMICAL JOURNAL FUND	443.14-	5,000.00-	5,527.30	84.16	0.00	0.00	84.16-
20204	CYSTIC FIBROSIS/BRABERMAN	973.18-	0.00	973.18	0.00	0.00	0.00	0.00
20206	AMER CHEM PRF 8620 AC2-C	3,179.40-	0.00	373.68	2,805.72-	0.00	0.00	2,805.72
20207	AMER CHEM PRF 8684 AC6-7	1,070.27-	0.00	1,070.27	0.00	0.00	0.00	0.00
20208	WHITING FOUND/CSHERSON	3,200.00-	0.00	3,200.00	0.00	0.00	0.00	0.00



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20210	SHAW FUND #3	0.00	856.86-	856.86	0.00	0.00	0.00	0.00
20211	ST ELIZABETH/ENDOCRINE	22,184.82-	0.00	0.00	22,184.82-	0.00	3,500.00-	25,684.82
20213	JUVENILE DIABETES/LIKE	32.76	0.00	32.76	0.00	0.00	0.00	0.00
20214	R W JOHNSON FON/KESSNER	37,818.81-	0.00	37,818.81	0.00	0.00	0.00	0.00
20216	AMER CHEM PRF 8669-AC6.7	3,262.38-	500.00-	3,567.66	194.72-	0.00	0.00	194.72
20219	ACC UN FOUNDATION	4,013.80-	0.00	3,624.68	389.12-	0.00	17,972.00	17,582.88-
20220	MEQCK CO FOUND/CLEARY	1,121.50-	0.00	1,070.35	51.11-	0.00	0.00	51.11
20222	AHER QUARTER HORSE ASSOC	9,706.95-	0.00	9,162.89	544.06-	0.00	0.00	544.06
20223	NATL ALTERNATIVE SCHOOLS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20227	FORD FOUNDATION/750-0569	16,351.89-	15,000.00-	26,715.75	4,636.14-	0.00	0.00	4,636.14
20231	AMERICAN CANCER NP-193	39,189.03-	0.00	35,702.74	3,486.29-	0.00	5,729.00-	9,215.29
20232	JUSTICE RESOURCE INSTIT	1,825.63-	0.00	0.00	1,825.63-	0.00	11,100.00	9,274.37-
20233	MCCARTHY FOUNDATION	326.36-	0.00	144.15	182.21-	0.00	0.00	182.21
20234	AMERICAN CANCER SOCIETY	977.83-	0.00	977.83	0.00	0.00	6.00	0.00
20236	CAPITOL REGION EDUCATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20237	W K KELLOGG FOUNDATION	33,183.21-	0.00	27,642.25	5,540.92-	0.00	4,548.51	992.41
20238	AMER CANCER SOC(VC-197)	74,131.50-	0.00	60,783.49	13,348.01-	0.00	0.00	13,348.01
20239	FORD FOUNDATION(ROSSII	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20240	ACS PRF 8996-AC6-7	12,636.76-	0.00	5,555.33	6,681.43-	0.00	0.00	6,681.43
20241	RESEARCH FOUNDATION/SUNY	0.34-	0.00	0.34	0.00	0.00	0.00	0.00
20242	MUSCULAR DYSTROPHY ASSOC	8.82-	0.00	0.00	8.82-	0.00	1,000.00-	1,008.82
20243	CABOT FOUNDATION INC	371.81-	0.00	371.81	0.00	0.00	0.00	0.00
20244	KENDALL FOUNDATION	719.39-	0.00	719.39	0.00	0.00	0.00	0.00
20246	WESTFIELD CHAMBER OF COM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20247	STRATEGIC PLANNING INST	13,141.76-	13,300.00-	14,125.41	12,316.35-	0.00	0.00	7,316.35
20249	SEW FOUNDATION INC	1,042.52-	0.00	589.94	52.58-	0.00	5,000.00	52.58
20251	G H SHAW FOUNDATION	1,671.59-	0.00	1,671.59	0.00	0.00	0.00	0.00
20252	POLAROID FOUNDATION INC	978.00-	0.00	833.10	144.90-	0.00	0.00	144.90
20253	RESEARCH CORPORATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20256	S G W GOLDEN FOUNDATION	8.40	0.00	8.40-	0.00	0.00	0.00	0.00
20257	NEW ENGLAND REGIONAL COM	4,938.85-	0.00	4,574.60	35.75	0.00	1,000.00	1,035.75-
20258	TOBACCO RESEARCH (#1085)	5,290.86-	0.00	5,250.86	0.00	0.00	0.00	0.00
20259	ENVIRONMENTAL LAW INSTIT	1,262.67-	0.00	1,262.67	0.00	0.00	0.00	0.00
20260	VALLEY HEALTH PLAN	2,516.16-	0.00	2,516.16	0.00	0.00	0.00	0.00
20261	AALAS FOUNDATION	111.47-	0.00	0.00	111.47-	0.00	0.00	111.47
20262	NE REGIONAL COMMISSION	7,219.15-	0.00	0.00	7,219.15-	0.00	5,741.26	1,477.89
20263	ACS (R HUMPHREYS)	4,474.06-	0.00	4,474.06	0.00	0.00	0.00	0.00
20264	ALCOA FOUNDATION(BARNES)	4,646.22-	5,000.00-	4,464.79	5,181.43-	0.00	0.00	5,181.43
20265	ALCOA FOUNDATION(WILSON)	2,493.48-	0.00	1,172.77	1,320.71-	0.00	0.00	1,320.71
20266	GULF OIL FOUNDATION	3,600.28-	1,551.00-	4,400.22	751.06-	0.00	0.00	751.06
20267	RESEARCH CORP(IISACSON)	266.43-	0.00	221.76	44.67-	0.00	0.00	44.67
20268	RESEARCH CORP(SCHWARTZ)	29.47-	0.00	29.47	0.00	0.00	0.00	0.00
20269	AMA 13-432-756	7.35-	0.00	7.35	0.00	0.00	0.00	0.00
20270	AMA 13-512-756	2,911.21-	0.00	2,911.21	0.00	0.00	0.00	0.00
20271	MOA (E ETIENNE)	18,566.91-	3,300.00-	20,974.75	692.12-	0.00	0.00	892.12
20272	ACLS/HUMANITIES SCHOLARS	5,000.00-	0.00	5,000.00	0.00	0.00	0.00	0.00

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20273	RESEARCH CORP(KEVES)	1,256.41-	0.00	1,237.95	18.46-	0.00	0.00	18.46
20274	COMMONWEALTH FUND(MAJNO)	22,952.38-	0.00	959.42	21,992.96-	0.00	0.00	21,992.96
20275	ACS FRA-145	108,833.49-	0.00	28,055.60	80,777.89-	0.00	81,000.00	222.11-
20276	ACS FRA-149	106,825.85-	0.00	26,957.46	79,868.39-	0.00	81,645.00	1,776.61-
20277	HEALTH & HOSPITALS INC	4,594.80-	0.00	4,594.80	0.00	0.00	0.00	0.00
20278	ALLIED CHEMICAL FDN	3,508.89-	4,869.85-	6,393.76	1,984.98-	0.00	0.00	1,984.98
20279	STEARNS CHARITABLE FDN	2,350.70-	1,000.00-	2,217.10	1,133.60-	0.00	0.00	1,133.60
20280	ROCKEFELLER FDN-RF76027	4,506.59-	0.00	4,506.59	0.00	0.00	0.00	0.00
20281	ROCKEFELLER FDN-RF73040	253.24-	0.00	253.24	0.00	0.00	0.00	0.00
20282	SOUTHEASTERN REG PLAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20283	HAMPSHIRE MENTAL HEALTH	13,491.50-	9,322.00-	10,756.01	12,057.49-	0.00	0.00	12,057.49
20284	JUVENILE DIABETES FDN	15,261.56-	0.00	14,976.85	284.71-	0.00	0.00	284.71
20285	CF (L BRAVERMAN)	3,131.85-	0.00	2,275.36	856.49-	0.00	0.00	856.49
20286	ACS-PRF GEOLOGY	638.68-	0.00	107.88	530.80-	0.00	0.00	530.80
20287	ACS-PRF CHEMICAL ENGR	0.00	500.00-	0.00	500.00-	0.00	0.00	500.00
20288	MARCH OF DIMES 5-114	7,611.77-	34,750.00-	22,515.41	19,846.36-	0.00	15,650.00	4,196.36
20289	BCTV INC (D STREETS)	12,244.59-	0.00	12,221.31	23.28-	0.00	8,375.00	8,351.72-
20291	EDCO/GREATER BOSTON	1.14-	0.00	1.14	0.00	0.00	0.00	0.00
20292	W K KELLOGG FDN(MELNICK)	3,498.86-	0.00	3,498.86	0.00	0.00	0.00	0.00
20293	ROCKEFELLER FDN-RF 76006	5,680.83-	0.00	5,680.83	0.00	0.00	0.00	0.00
20296	ACS (A JACOBSON)	10,436.37-	0.00	10,436.37	0.00	0.00	0.00	0.00
20297	ACS VC-167A	14,164.21-	0.00	14,164.21	0.00	0.00	0.00	0.00
20298	POLAROID FOUNDATION INC	2,656.11-	7,000.00-	3,256.11	6,400.00-	0.00	0.00	6,400.00
20299	MEDICAL CARE DEVELOP INC	1,716.49-	0.00	1,571.54	144.95-	0.00	147.20	2.25-
20300	MA BROADCASTERS ASSOC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20302	W K KELLOGG FDN (VENMAN)	46,577.14-	87,637.00-	83,528.62	50,685.52-	0.00	0.00	50,685.52
20303	THE GRANT FDN INC (WATT)	2,349.74-	8,500.00-	3,543.31	7,306.43-	0.00	0.00	7,306.43
20304	DEAFNESS RESEARCH FDN	58.53-	0.00	58.53	0.00	0.00	0.00	0.00
20305	ACS SUMMER SYMPOSIUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20306	DEAFNESS RESEARCH FDN	5,679.66-	10,000.00-	10,570.91	5,108.75-	0.00	5,000.00	108.75
20307	JDF 77F018 (M APPEL)	15,000.00-	0.00	10,737.61	4,262.39-	0.00	0.00	4,262.39
20308	MDA (R SINGER)	15,021.48-	0.00	15,021.48	0.00	0.00	0.00	0.00
20309	G E FDN-ENGR CAREER PGM	8,147.00-	0.00	7,888.26	258.74-	0.00	0.00	258.74
20310	THE BLANCHARD FDN	295.30-	0.00	295.30	0.00	0.00	0.00	0.00
20311	G E FDN-POLYMER SCIENCE	7,500.00-	7,500.00-	2,769.79	12,230.21-	0.00	208.37	12,021.84
20312	ACADEMY APPLIED SCIENCE	331.07-	204.43-	535.50	0.00	0.00	0.00	0.00
20313	COUNCIL INTERNATIONAL ED	16,055.13-	0.00	16,055.13	0.00	0.00	0.00	0.00
20314	NATL STUDENT EXCHANGE	880.00-	0.00	451.56	428.44-	0.00	0.00	428.44
20315	ACS (R HUMPHREYS)	129.45-	31,932.00-	14,311.61	17,749.84-	0.00	20,592.00	2,842.16-
20316	SOCIETY MFG ENGINEERS	19,939.40-	0.00	2,939.90	16,999.50-	0.00	20,000.00	3,000.50-
20317	THE BLANCHARD FDN	6,758.18-	0.00	4,085.01	2,673.17-	0.00	0.00	2,673.17
20318	AMERICAN SOCIETY ENGR ED	5,490.00-	732.29-	3,482.28	2,740.01-	0.00	2,010.00	730.01
20319	AMERICAN LUNG ASSCC	8,738.50-	5,300.00-	7,500.64	10,537.86-	0.00	9,300.00	1,237.86
20320	NFH & PP DEC-6-10F	14,959.90-	0.00	11,939.25	3,020.65-	0.00	7,067.84	4,047.19-
20321	AHA 77-223	17,306.00-	17,306.00-	17,227.13	17,384.87-	0.00	21,488.64	4,103.77-
20322	ACS (M FISCHER)	14,567.94-	0.00	14,567.94	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (14XX/93X)	DEDUCTIONS (15XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20324	ACS PRF 9911-84	8,890.00-	0.00	4,500.34	3,989.66-	0.00	5,000.00	1,010.34-
20325	MA GEN HOSP(ISTROKE CTR)	11,020.00-	0.00	6,541.13	4,478.87-	0.00	0.00	4,478.87
20326	NEARC #1	5,000.00-	0.00	5,000.00	0.00	0.00	0.00	0.00
20327	A P SLOAN FDN(8R-1852)	18,000.00-	0.00	172.98	17,827.02-	0.00	0.00	17,827.02
20328	TORACCO RESEARCH-1085R1	42,606.00-	0.00	41,889.05	716.95-	0.00	0.00	716.95
20329	VINGO TRUST II	2,000.00-	1,000.00-	1,716.18	1,283.82-	0.00	0.00	1,283.82
20330	FORD FDN 775-0374	0.00	7,100.00-	7,100.00	0.00	0.00	0.00	0.00
20331	MASSPORT-ECON MODEL PKCJ	0.00	10,000.00-	3,818.25	6,181.75-	0.00	2,500.00	3,681.75
20332	MALDEN HOSP	0.00	19,222.40-	14,764.20	4,458.20-	0.00	19,222.40	14,764.20-
20333	ACS PF-1410	0.00	21,000.00-	284.74	20,715.26-	0.00	20,500.00	215.26
20334	POLAROID FDN INC	0.00	2,000.00-	1,920.00	80.00-	0.00	0.00	80.00
20335	INTERNATIONAL PAPER FDN	0.00	27,000.00-	19,622.57	7,377.43-	0.00	0.00	7,377.43
20336	DEAFNESS RESEARCH FDN	0.00	5,000.00-	5,000.00	0.00	0.00	0.00	0.00
20337	ACS PRF-10227-AC1,3	0.00	22,500.00-	1,680.00	20,820.00-	0.00	15,000.00	5,820.00
20338	ACS PRF-10234-AC6,7-C	0.00	22,502.85-	5,086.97	17,415.88-	0.00	15,000.00	2,415.88
20339	JEHISH HOME OF WORCESTER	0.00	38,000.00-	29,406.48	8,593.52-	0.00	9,500.00	906.48-
20340	MOA (J ZINN)	0.00	1,000.00-	889.20	110.80-	0.00	0.00	110.80
20341	MOA (H HUANG)	0.00	1,000.00-	889.20	110.80-	0.00	0.00	110.80
20342	FORD FDN 775-0595	0.00	21,000.00-	11,471.87	9,528.13-	0.00	0.00	9,528.13
20343	MARCH OF DIMES FDN 5-168	0.00	18,000.00-	12,427.63	5,572.37-	0.00	0.00	5,572.37
20344	OPERATION BOOTSTRAP	0.00	1,900.00-	1,847.40	52.60-	0.00	400.00	347.40-
20345	SCOTTISH RITE RESRCH PGM	0.00	15,010.00-	9,485.07	5,524.93-	0.00	7,505.00	1,980.07-
20346	ACS RD-15	0.00	25,000.00-	19,076.33	5,923.67-	0.00	6,249.00	325.33-
20347	AMER CONSERVATION ASSOC	0.00	2,500.00-	1,809.07	650.93-	0.00	0.00	690.93
20348	GENERAL MILLS FDN	0.00	24,000.00-	6,264.20	17,735.80-	0.00	12,000.00	5,735.80
20349	G H SHAW FDN IFY78)	0.00	5,000.00-	4,806.58	193.42-	0.00	0.00	193.42
20350	ROCKEFELLER(GA AS 7720)	0.00	10,900.00-	8,913.18	1,986.82-	0.00	0.00	1,986.82
20351	N S ARBAHA(15)	0.00	104,328.00-	62,968.68	41,359.32-	0.00	26,082.00	15,277.32
20352	ACADEMY APPLIED SCIENCE	0.00	5,800.00-	1,580.22	4,219.78-	0.00	5,727.50	1,507.72-
20353	PLASTICS INSTITUTE AMER	0.00	8,750.00-	2,072.33	6,677.67-	0.00	5,020.00	1,657.67
20354	COMMUNITIES FOR PEOPLE	0.00	63,215.00-	50,296.66	12,918.34-	0.00	63,215.00	50,296.66-
20355	VINGO TRUST II(J FOSTER)	0.00	3,000.00-	2,999.92	0.08-	0.00	0.00	0.08
20356	MHRI INC	0.00	52,000.00-	28,447.45	23,552.55-	0.00	26,000.00	2,447.45-
20357	ACS-PRF 8956-64	0.00	6,852.51-	147.49	6,705.02-	0.00	0.00	6,705.02
20358	EXXON EDUCATION FDN	0.00	4,000.00-	1,964.46	2,035.54-	0.00	0.00	2,035.54
20359	HAHNEMANN HOSPITAL	0.00	21,231.00-	18,409.82	2,821.18-	0.00	21,231.00	18,409.82-
20360	MAHF INC	0.00	11,916.65-	11,916.66	0.00	0.00	0.00	0.00
20361	SIMC INC (E SIMMONS)	0.00	5,000.00-	1,151.60	3,848.40-	0.00	0.00	3,848.40
20362	UNIROVAL FOUNDATION	0.00	3,000.00-	2,595.84	4.16-	0.00	0.00	4.16
20363	ACS (B JACOBSON)	0.00	20,800.00-	11,036.84	9,763.16-	0.00	0.00	9,763.16
20364	MOA (A JACOBSON)	0.00	15,000.00-	9,602.95	5,397.05-	0.00	0.00	5,397.05
20365	MOA (T WARD)	0.00	1,000.00-	444.60	555.40-	0.00	0.00	555.40
20366	ACS NP-193A	0.00	68,750.00-	22,338.07	46,411.93-	0.00	40,103.00	6,308.93
20367	DEAFNESS RESEARCH FDN	0.00	10,000.00-	4,840.38	5,159.62-	0.00	5,000.00	159.62
20368	HAMPSHIRE ED COLLAB	0.00	5,000.00-	1,943.85	3,056.15-	0.00	5,000.00	1,943.85-
20369	ACS-PRF 10396-AC1,4	0.00	29,000.00-	1,230.45	27,769.55-	0.00	13,000.00	14,769.55



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20371	COMMONWEALTH FUND	0.00	10,000.00-	6,522.99	3,477.01-	0.00	10,000.00	6,522.99-
20373	ALISA ANN RUCH BURN FDN	0.00	16,520.00-	2,466.70	14,053.30-	0.00	8,520.00	5,533.30
20374	EPRI RPI030-3	0.00	31,830.00-	13,018.02	18,811.98-	0.00	28,647.41	9,835.43-
20375	NRA / WMI	0.00	1,000.00-	0.00	1,000.00-	0.00	0.00	1,000.00
20376	UNION CARBINE CCRP	0.00	10,000.00-	637.94	9,362.06-	0.00	0.00	9,362.06
20377	ACS-PRF 10246-AC6,7C	0.00	29,000.00-	5,302.59	23,697.41-	0.00	14,500.00	9,197.41
20378	ACS VC-197A	0.00	66,171.00-	7,441.66	58,729.34-	0.00	33,084.00	25,645.34
20379	MOA (R SINGER)	0.00	22,000.00-	2,952.65	19,047.35-	0.00	0.00	19,047.35
20380	WESTERN MA HLTH PLANNING	0.00	4,000.00-	1,808.41	2,191.59-	0.00	2,000.00	191.59
20381	STERLING MORTON TRUST	0.00	25,000.00-	0.00	25,000.00-	0.00	0.00	25,000.00
20382	AOA (A LIKE)	0.00	10,000.00-	2,444.75	7,555.25-	0.00	5,000.00	2,555.25
20383	OLD STURBRIDGE VILLAGE	0.00	2,800.00-	2,456.03	303.97-	0.00	0.00	303.97
20384	WHARTON EFA INC	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
20385	RSRI (NAS HR 8-15A)	0.00	25,000.00-	2,909.69	22,090.31-	0.00	25,000.00	2,909.69-
20386	AHA 13-414-778	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20387	GRAHAM FOUNDATION	0.00	5,000.00-	0.00	5,000.00-	0.00	0.00	5,000.00
20388	BOSTON TEEN CTR ALLIANCE	0.00	22,048.00-	8,297.52	13,750.48-	0.00	22,048.00	8,297.52-
20389	COUNCIL ON INTERNL ED	0.00	13,264.00-	103.48	13,160.52-	0.00	13,264.00	103.48-
20390	NCAT - 5001	0.00	10,000.00-	2,142.34	7,857.66-	0.00	6,000.00	1,857.66
20391	AHA 13-520-778	0.00	10,000.00-	0.00	10,000.00-	0.00	10,000.00	0.00
20392	RF 77081 #27	0.00	22,000.00-	5,825.68	16,174.32-	0.00	0.00	16,174.32
20393	ACS-PRF 10654-AC6,7-C	0.00	29,000.00-	0.00	29,000.00-	0.00	14,500.00	14,500.00
20394	KROC FOUNDATION	0.00	76,758.00-	0.00	76,758.00-	0.00	76,758.00	0.00
20395	RESEARCH CORPORATION	0.00	10,000.00-	0.00	10,000.00-	0.00	0.00	10,000.00
20396	MARCH OF DIMES FDN 12-17	0.00	15,000.00-	2,200.00	12,800.00-	0.00	7,500.00	5,300.00
20397	ABCD INC	0.00	630.00-	416.50	213.50-	0.00	630.00	416.50-
20398	MDA (E ETIENNE FY79)	0.00	25,000.00-	0.00	25,000.00-	0.00	25,000.00	0.00
20399	NCAT - 3076	0.00	4,129.32-	120.00	4,009.32-	0.00	4,129.32	120.00-
20400	SLOAN FOUNDATION 78-4-14	0.00	232,725.00-	0.00	232,725.00-	0.00	232,725.00	0.00
20401	MARCH OF DIMES FDN 1-592	0.00	5,475.00-	0.00	5,475.00-	0.00	2,737.00	2,738.00
20402	COMMUNITIES FOR PEOPLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20403	EXXON EDUCATION FDN	0.00	0.00	0.00	0.00	0.00	2,996.00-	2,996.00
20404	TOBACCO RESEARCH-1085R2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20415	UMF-C M POWELL CONS NATR	150.00-	0.00	150.00	0.00	0.00	0.00	0.00
20417	UMF-R C WESTMAN MEMORIAL	200.00-	0.00	200.00	0.00	0.00	0.00	0.00
20504	AGWAY PLANT SCI	381.05-	0.00	133.36	247.69-	0.00	0.00	247.69
20505	AGWAY JENSEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20506	AMCO FOODS CO	137.69-	0.00	0.00	137.69-	0.00	0.00	137.69
20507	BORG-WARNER CHEM	7,838.64-	8,500.00-	9,116.01	7,222.63-	0.00	0.00	7,222.63
20508	BEECH NUT FUND	4.94	0.00	4.94-	0.00	0.00	0.00	0.00
20509	BOURNE	1,335.50-	1,525.00-	83.06	2,777.44-	0.00	0.00	2,777.44
20513	CHIC BORING AND TEST LAB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20514	HEUBLEIN	3,617.54-	0.00	1,674.81	1,942.73-	0.00	0.00	1,942.73
20515	KIMBERLY CLARK MUELLER	4.82-	0.00	4.82	0.00	0.00	0.00	0.00
20516	KIMBERLY CLARK LITSKY	4.83-	0.00	4.83	0.00	0.00	0.00	0.00
20527	GENERAL ELECTRIC/GALE	505.59-	0.00	0.00	505.59-	0.00	0.00	505.59

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20528	GENERAL ELECTRIC/STEIN	13,583.38-	13,424.32-	4,038.94	22,968.76-	0.00	13,000.00	9,968.76
20530	GENERAL TIRE	12,894.20-	7,000.00-	6,263.48	13,630.72-	0.00	7,000.00	6,630.72
20531	GEROVITAL/CRANBERRY	0.07-	0.00	0.00	0.07-	0.00	0.00	0.07
20532	HAYSTACK CORP	0.30-	0.00	0.00	0.30-	0.00	0.00	0.30
20533	HERCULES KARASZ	915.94-	0.00	915.94	0.00	0.00	0.00	0.00
20534	HOFFMANN-LAROCHE	1,868.61-	0.00	450.00	1,418.61-	0.00	0.00	1,418.61
20537	IMASCO FOODS LTD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20539	KERATENE	59.86-	0.00	35.38	24.48-	0.00	0.00	24.48
20540	LEPTOSPIROSIS	2.45-	0.00	0.00	2.45-	0.00	0.00	2.45
20543	MASS GOLF ASSOC	11,267.66-	9,215.00-	10,733.34	9,749.32-	0.00	0.00	9,749.32
20546	MERK AND CO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20548	MILLIPORE CORP	4,500.00-	0.00	4,500.00	0.00	0.00	0.00	0.00
20551	MITSUBISHI	12.58-	0.00	12.58	0.00	0.00	0.00	0.00
20552	MONSANTO CHEM	1,725.73-	0.00	0.00	1,725.73-	0.00	0.00	1,725.73
20553	MONSANTO POLYMER	7,244.54-	2,925.00-	200.90	9,968.64-	0.00	0.00	9,968.64
20554	MONSANTO/MIDDLEMAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20555	NORTHEAST UTILITIES	361.54-	0.00	0.00	361.54-	0.00	0.00	361.54
20556	N E UTILITIES-NEPCO	3.38-	0.00	0.00	3.38-	0.00	0.00	3.38
20558	ONORICK CONST CO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20559	OCEAN SPRAY CRANBERRY	102.67-	0.00	50.88	51.79-	0.00	0.00	51.79
20561	POLYMER SCI & ENGR	73,476.01-	62,750.00-	75,959.83	60,266.18-	0.00	1,500.00	58,766.18
20563	PCULTRY VACCINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20570	SYMP ON COORD CHEMISTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20571	TRAVENOL LAB TRUST FUND	2.15-	0.00	0.00	2.15-	0.00	0.00	2.15
20572	TRAVENOL LAB AC 2	180.89-	0.00	0.00	180.89-	0.00	0.00	180.89
20573	TAKEDA CHEMICAL	1,904.38-	0.00	6.60	1,897.78-	0.00	0.00	1,897.78
20577	VEGETABLE CROPS	1,020.92-	0.00	1,020.92	0.00	0.00	0.00	0.00
20583	AVIAN DISEASES-GHS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20585	ECON DEV SERVICES	28.52-	0.00	28.52	0.00	0.00	0.00	0.00
20586	MASS FLOWER GROWERS RS F	550.11-	0.00	61.54	488.57-	0.00	0.00	488.57
20587	NATURAL RESOURCES	730.54-	625.00-	1,228.62	126.92-	0.00	0.00	126.92
20589	N E RES INC 47ZAJICEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20592	GTE LABS INC	10.86-	0.00	10.86	0.00	0.00	0.00	0.00
20593	PCLARIO SERVICE ACCOUNT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20595	AMERICAN HOECHST/VOGL	152.44-	3,500.00-	969.51	2,682.93-	0.00	0.00	2,682.93
20596	ESSO RESEARCH/MACKNIGHT	150.75-	0.00	3,589.87	3,439.12-	0.00	0.00	3,439.12
20597	EXXON CHEM/LENZ	445.24-	1,625.00-	444.75	1,625.49-	0.00	0.00	1,625.49
20601	STUDENT MED INS(AMHERST)	6,621.28-	0.00	6,453.00	168.28-	0.00	0.00	168.28
20602	KENDALL/MIDDLEMAN	33.31-	0.00	8.81	24.50-	0.00	0.00	24.50
20603	SCHWEITZER/MIDDLEMAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20605	STEPAN CHEM/FAGERSON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20607	HOKER CHEM/MACKNIGHT	5,761.74	0.00	220.03	9,981.77	0.00	10,000.00-	18.23
20608	PACE INC/WHALEY #1	258.83-	0.00	78.85-	337.68-	0.00	5,000.00	4,662.32-
20611	WOUND HEALING RESEARCH	6,000.00-	0.00	0.00	6,000.00-	0.00	0.00	6,000.00
20612	HEALTH CARE SYSTEMS	3,734.18-	718.33-	1,480.49	2,972.02-	0.00	0.00	2,972.02
20613	KODAK/MIDDLEMAN	9,177.88-	6,000.00-	10,051.42	5,126.46-	0.00	0.00	5,126.46

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCR(PTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (15XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20614	AGWAY/DAIRY CHORE REDUCT	520.08-	0.00	517.89	2.19-	0.00	0.00	2.19
20615	SMITH KLINE/OR COX	7.61-	0.00	0.00	7.61-	0.00	0.00	7.61
20617	KENNECOTT COPPER/BARNES	182.87-	0.00	66.32	116.55-	0.00	0.00	116.55
20618	BORG-WARNER/VANPEE	9,157.14-	7,500.00-	12,080.58	4,576.56-	0.00	0.00	4,576.56
20620	MERCK, SHARP, & DOHME RES	337.74	337.74-	0.00	0.00	0.00	0.00	0.00
20621	DRUG INFORMATION FUND	123.65-	0.00	36.00	87.65-	0.00	0.00	87.65
20622	EXXON/LENZ #2	13.36-	0.00	0.00	13.36-	0.00	0.00	13.36
20623	MONSANTO/SHORT	15,575.63	16,600.00-	1,024.37	0.00	0.00	0.00	0.00
20624	FOSTER GRANT/NAGEL	697.04-	2,500.00-	1,996.85	1,200.19-	0.00	500.00	700.19
20626	COOP FISHERY RESEARCH	29,456.62-	109,561.00-	115,509.79	23,107.83-	0.00	0.00	23,107.83
20627	AUTOMATIC ASSEMBLY PGM	11,164.00-	3,320.00-	3,826.41	10,657.59-	0.00	0.00	10,657.59
20628	DIABETES MELLITUS RESRCH	3,692.18-	7,832.00-	6,527.44	4,996.74-	0.00	0.00	4,996.74
20631	CONTROL DATA CORP/M10DA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20632	ERVING PAPER MILLS CO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20633	STUDENT MEDICAL INS FY76	41,203.09-	0.00	28,009.58	13,193.51-	0.00	0.00	13,193.51
20634	GENERAL ELECTRIC COMPANY	15,955.19-	0.00	4,872.93	11,082.26-	0.00	0.00	11,082.26
20635	NORTHEAST / NEPSCO	3,369.29-	42,500.00-	34,341.52	11,527.77-	0.00	5,000.00	6,527.77
20636	EXXON CORPORATION	168.17-	0.00	168.17	0.00	0.00	0.00	0.00
20637	NATIONAL CAR RENTAL	21.90-	0.00	0.00	21.90-	0.00	0.00	21.90
20638	E I DUPONT DENEMOURS CC	5,942.98-	7,000.00-	4,551.31	8,391.67-	0.00	0.00	8,391.67
20639	EXXON RESRCH & ENG CO	569.01-	0.00	560.27	8.74-	0.00	0.00	8.74
20640	ROCKWELL INTERNATIONAL	4,593.50-	0.00	4,557.28	36.22-	0.00	0.00	36.22
20641	EXXON RESEARCH & ENG CO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20642	GTE SYLVANIA-A/UNIV/1014	1,214.81	10,568.00-	5,293.74	4,059.45-	0.00	0.00	4,059.45
20643	MATHEMATICA INC	13,128.23	13,128.23-	0.00	0.00	0.00	0.00	0.00
20644	COMBUSTION ENGINEERING	13.56-	0.00	13.56	0.00	0.00	0.00	0.00
20645	FARREL COMPANY	368.31-	0.00	0.00	368.31-	0.00	0.00	368.31
20646	IBM CORPORATION (NAVON)	604.40-	0.00	604.40	0.00	0.00	0.00	0.00
20647	CALCUSEARCH INC	5,201.33	6,787.50-	646.49	939.68-	0.00	0.00	939.68
20648	EXXON CO (LENZ #3)	1,208.54-	0.00	513.65	694.89-	0.00	0.00	694.89
20649	MCGRAW-HILL (C SCHEME)	2,572.35-	0.00	64.42	2,507.93-	0.00	0.00	92.07-
20650	APT INC	768.47-	0.00	768.47	0.00	0.00	2,600.00	768.47
20651	EXXON CORP (MILLER/LOPEZ)	9,755.72-	0.00	9,732.26	23.46-	0.00	0.00	23.46
20652	N E POWER CO (E LINDSEY)	7,279.52-	10,500.00-	18,059.30	279.78	0.00	0.00	279.78-
20653	INTERNATIONAL PAPER FOM	6,148.84-	0.00	6,116.32	32.52-	0.00	0.00	32.52
20654	STUDENT MEDICAL INS FY77	299,965.34-	59,069.22-	354,729.08	4,305.48-	0.00	0.00	4,305.48
20655	HOECHST-ROUSSEL (8L 191)	49,771.00-	0.00	8,380.67	41,390.33-	0.00	0.00	19,274.33
20656	SOHIO 19-6146-0100	14,269.25-	20,000.00-	9,312.78	24,956.47-	0.00	0.00	4,956.47
20657	UNION CARBIDE CORP	206.63-	0.00	204.35	2.28-	0.00	0.00	2.28
20658	CCNTROL DATA CORP/M10EA	37,511.35-	0.00	31,323.46	6,187.89-	0.00	0.00	6,187.89
20659	DELAVAL SEPARATOR CO	19,756.91-	0.00	19,756.91	0.00	0.00	0.00	0.00
20660	BERKLEY & CO INC (LENZ)	12,194.83-	1,000.00-	12,802.98	391.85-	0.00	2,042.35	1,650.50-
20661	E I DUPONT DENEMOURS CO	1,333.44-	3,500.00-	2,261.35	2,572.09-	0.00	0.00	2,572.09
20662	EXXON RESRCH & ENGR CO	9,519.25-	0.00	5,541.39	3,977.86-	0.00	0.00	3,977.86
20663	GILLETTE CO	0.00	4,000.00-	1,696.72	2,303.28-	0.00	0.00	2,303.28
20664	ROCKWELL/PF67025F	0.00	166,556.00-	147,696.62	18,859.38-	0.00	49,263.64	30,404.26-



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
20665	MILLIPORE CORP(G MOORE)	0.00	1,440.00-	1,440.00	0.00	0.00	0.00	0.00
20666	WORTHINGTON COMPRESSORS	0.00	3,000.00-	1,805.01	1,194.99-	0.00	0.00	1,194.99
20667	DIAMOND SHAMROCK	0.00	1,800.00-	373.22	1,426.78-	0.00	0.00	1,426.78
20668	NATIONAL BLANK BOOK CO	0.00	7,500.00-	1,785.43	5,714.57-	0.00	0.00	5,714.57
20669	ADVANCE OFFSET PLATE INC	0.00	8,000.00-	6,881.59	1,118.41-	0.00	0.00	1,118.41
20670	EXXON CORP(MILLER/LOPEZ)	0.00	35,000.00-	30,791.77	4,208.23-	0.00	0.00	4,208.23
20671	WESTVACO CORP	0.00	5,000.00-	0.00	5,000.00-	0.00	0.00	5,000.00
20672	STUDENT MEDICAL INS F778	0.00	589,247.87-	371,779.88	217,467.99-	0.00	0.00	217,467.99
20673	UNION CARBIDE CORP(CMSP)	0.00	35,000.00-	10,263.18	24,736.82-	0.00	30,000.00	5,263.18-
20674	EXXON RESRCH & ENGR CO	0.00	3,000.00-	1,823.04	1,176.96-	0.00	3,000.00	1,823.04-
20675	AMP INC	0.00	9,425.00-	5,352.74	4,072.26-	0.00	0.00	4,072.26
20676	FISONS CORPORATION	0.00	12,675.00-	5,224.17	7,450.83-	0.00	0.00	7,450.83
20677	ASTRA PHARMACEUTICAL	0.00	9,900.00-	488.32	9,411.68-	0.00	0.00	9,411.68
20678	UNIMATION INC	0.00	10,000.00-	972.51	9,027.49-	0.00	5,000.00	4,027.49
20679	AMERICAN CYANAMID CO	0.00	5,000.00-	1,838.19	3,161.81-	0.00	1,250.00	1,911.81
20680	EXXON RESRCH & ENGR CO	0.00	13,000.00-	4,205.22	8,794.78-	0.00	13,000.00	4,205.22-
20681	HOECHST AKTIENGESELLSCHT	0.00	2,000.00-	0.00	2,000.00-	0.00	2,000.00	0.00
20682	AMP INC (J CHIEN)	0.00	8,500.00-	42.00	8,458.00-	0.00	0.00	8,458.00
20683	AMP INC (F KARASZ)	0.00	12,300.00-	0.00	12,300.00-	0.00	0.00	12,300.00
20684	3M COMPANY	0.00	5,000.00-	933.27	4,066.73-	0.00	0.00	4,066.73
20685	AMERICAN HOECHST CORP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20686	MCEIL LABORATORIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20687	HEALTH & TENNIS CORP	0.00	6,200.00-	0.00	6,200.00-	0.00	4,000.00	2,200.00
20688	CONTROL DATA(MIOFA)	0.00	37,500.00-	0.00	37,500.00-	0.00	37,500.00	0.00
20689	REINHARDT ASSOCIATES INC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21000	RADIO ASTRONOMY OBSERV	217.25-	0.00	0.00	217.25-	0.00	21,000.00	20,782.75-
21006	UNIV WISCONSIN	575.23-	0.00	0.00	575.23-	0.00	1,109.02	524.79-
21009	PIERCE PROGRAM	3,299.46	0.00	3,259.46-	0.00	0.00	0.00	0.00
21014	FIVE COLLEGES INC FUND	5,020.05-	0.00	10,248.43	13,271.62-	0.00	0.00	13,271.34
21015	UNIV R I/BERGER	7.92-	0.00	7.92	0.00	0.00	0.00	0.00
21017	WFCR (FIVE COLLEGES INC)	36,757.81	101,757.81-	65,280.12	280.12	0.00	0.00	280.12-
21019	MIT SR33040 TASK I	90.77-	0.00	50.77	0.00	0.00	0.00	0.00
21020	MIT SR33040 TASK II	48.95-	0.00	48.95	0.00	0.00	0.00	0.00
21022	HAMPSHIRE COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21023	COMM ON INTERNATIONAL ED	935.65-	0.00	340.00	595.65-	0.00	0.00	595.65
21024	MA COLLEGE OF PHARMACY	12,524.26-	0.00	15,668.90	8,855.36-	0.00	7,000.00-	15,855.36
21025	ANATOMICAL COORDINATOR	24,404.12-	3,133.00-	20,336.36	7,180.76-	0.00	0.00	7,180.76
21026	MIT SR 33335	7,407.29-	0.00	1,680.34	5,726.95-	0.00	5,726.95	0.00
21027	AMHERST COLLEGE	0.12-	0.00	0.12	0.00	0.00	0.00	0.00
21028	AMHERST COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21029	MIT SR 33651	0.00	52,168.15-	44,089.28	8,078.87-	0.00	20,965.14	12,886.27-
21030	CIR-EAST ASIAN STUDIES	0.00	2,000.00-	2,007.61	7.61	0.00	0.00	7.61-
21031	OKLAHOMA STATE/NSF	0.00	38,598.00-	19,251.03	19,346.97-	0.00	23,906.18	4,559.21-
21032	MIT SR 33670	0.00	8,406.00-	6,481.17	1,924.83-	0.00	2,460.18	535.35-
21033	BOSTON COLLEGE(800-6)	0.00	6,079.00-	5,403.76	675.24-	0.00	4,117.73	3,442.49-
21034	U MICHIGAN(IPD 523939)	0.00	28,694.00-	11,891.73	16,802.27-	0.00	28,694.00	11,891.73-

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
21035	SUNY/STONY BROOK(R22127)	0.00	9,000.00-	8,967.91	32.09-	0.00	9,000.00	8,967.91-
21036	SUNY/STONY BROOK(R22128)	0.00	14,400.00-	12,878.59	1,521.41-	0.00	14,400.00	12,878.59-
21037	MIT SR 33802	0.00	2,539.20-	2,535.15	0.05-	0.00	0.00	0.05
21038	SMITH COLLEGE	0.00	2,250.00-	2,249.98	0.02-	0.00	0.00	0.02
21039	HARVARD MEDICAL-K 71984	0.00	83,730.00-	7,729.99	76,000.01-	0.00	83,730.00	7,729.99-
21040	MIT SR 33827	0.00	7,339.20-	5,286.85	2,052.35-	0.00	7,339.20	5,286.85-
21041	FIVE COLLEGES INC	0.00	2,358.00-	1,279.24	1,078.76-	0.00	0.00	1,078.76
21042	MIT SC 26596	0.00	1,200.00-	1,200.00	0.00	0.00	1,200.00	1,200.00-
21043	NE LAND GRANT UNIV	0.00	1,800.00-	0.00	1,800.00-	0.00	1,800.00	0.00
21152	MARK SWANN	23,823.81-	1,024.62-	11,786.44	13,061.99-	0.00	12,650.00	411.99
21153	WHITE RESEARCH/TWF	2,241.58-	262.39-	1,855.56	648.41-	0.00	0.00	648.41
21154	HERBERT ZITOWITZ FUND	852.50-	0.00	25.00	827.50-	0.00	0.00	827.50
21156	SBA RECRUITMENT TRUST	2,875.65-	0.00	2,850.65	25.00-	0.00	0.00	25.00
21300	CARDIOVASCULAR RESEARCH	19,395.48-	0.00	20,548.86	1,153.38	0.00	0.00	1,153.38-
21301	PLASTIC SURGERY RESEARCH	426.53-	0.00	259.04	167.49-	0.00	0.00	167.49
21302	MA ECONOMIC MODEL PROJ	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21303	CIVILIAN NUCLEAR POWER	12.78-	0.00	12.78	0.00	0.00	0.00	0.00
21304	COMPUSTAT PROJECT	700.00-	0.00	900.00	200.00	0.00	0.00	200.00-
21305	MEDICINE & SOCIETY	1,602.58-	0.00	541.14	1,061.44-	0.00	0.00	1,061.44
21306	SPANISH SPEAKING SEMINAR	2,389.72	0.00	409.92	2,799.64	0.00	3,000.00-	200.36
21307	TEEN LEARNING CENTER	729.40-	0.00	672.00	57.40-	0.00	0.00	57.40
21308	HANDICAPPED CART PROJECT	7.93	7.93-	0.00	0.00	0.00	0.00	0.00
21309	EARLY MAN/CONN VALLEY	1,999.99-	50.00-	4.23	2,045.76-	0.00	0.00	2,045.76
21310	CYSTIC FIBROSIS FUND	300.00-	0.00	100.00	200.00-	0.00	0.00	200.00
21311	U OF MINNESOTA FON	300.00-	0.00	300.00	0.00	0.00	300.00-	300.00
21312	ARTHUR ANDERSEN FUND	0.00	2,400.00-	0.00	2,400.00-	0.00	0.00	2,400.00
21313	ERNST & ERNST FUND	442.43-	1,000.00-	200.00	1,242.43-	0.00	0.00	1,242.43
21314	ANESTHESIA RESEARCH FUND	22,485.96-	10,000.00-	13,409.80	19,076.16-	0.00	0.00	19,076.16
21315	ENG MINORITY STUDENT PGM	17,267.60-	46,121.50-	44,784.61	18,604.49-	0.00	0.00	18,604.49
21316	BLOOM BANK RESEARCH FUND	10,946.00-	1,500.00-	2,147.80	10,298.20-	0.00	0.00	10,298.20
21317	GUEST SPEAKER PGM	225.00-	1,010.00-	0.00	1,235.00-	0.00	0.00	1,235.00
21318	ANALOG DEVICES INC FUND	2,500.00-	2,500.00-	3,299.84	1,700.16-	0.00	0.00	1,700.16
21319	CHEM SEMINAR SPEAKERS	950.00-	133.00-	650.00	433.00-	0.00	0.00	433.00
21320	CIVIL ENGR MEMORIAL FUND	2,326.99-	0.00	0.00	2,326.99-	0.00	0.00	2,326.99
21321	LOUIS RUCHAMES MEMORIAL	1,505.00-	0.00	535.00	970.00-	0.00	0.00	970.00
21322	HEMENWAY MEMOIRS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21323	PATTERNS OF SYMMETRY	886.00-	0.00	886.00	0.00	0.00	0.00	0.00
21324	RAINBOW/CHRISTIAN WEST	2,192.95-	0.00	2,192.95	0.00	0.00	0.00	0.00
21325	RESEARCH F0/8 BERKOVITS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21326	FOCUS	795.07-	95.00-	12.35	877.72-	0.00	0.00	877.72
21327	JUAN CARLOS MERLC MEM FO	1,388.42-	0.00	84.00	1,304.42-	0.00	0.00	1,304.42
21328	ECE SCHOLARSHIP FUND	1,000.00-	1,000.00-	1,000.00	1,000.00-	0.00	0.00	1,000.00
21329	EPA TRANSPORTATION CONTRL	0.00	2,712.58-	1,880.00	832.58-	0.00	0.00	832.58
21330	ESIC EDUCATIONAL PGM	0.00	10,260.38-	7,711.51	2,548.87-	0.00	0.00	2,548.87
21331	HAIRY CELL LEUKEMIA	0.00	2,897.50-	963.00	1,934.50-	0.00	0.00	1,934.50
21332	PALLIATIVE CARE PROGRAM	0.00	3,929.00-	660.84	3,268.16-	0.00	0.00	3,268.16



FISCAL YEAR TC DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
21333	INTER FAITH CHAPEL	0.00	2,931.00-	0.00	2,931.00-	0.00	0.00	2,931.00
21334	W L GARRISON LETTERS	0.00	100.00-	0.00	100.00-	0.00	0.00	100.00
21335	UPWARD BOUND PGM	0.00	1,000.00-	976.54	23.46-	0.00	0.00	23.46
21336	ARMENIAN STUDIES PGM	0.00	3,491.25-	540.35	2,550.90-	0.00	0.00	2,550.90
21337	PEIATRICS SPEAKERS PGM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21338	MEDICAL CTR ARTS PGM	0.00	913.40-	520.00	393.40-	0.00	0.00	393.40
21339	U OF MINNESOTA FON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21340	PUERTO RICO EXCHANGE PGM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21341	BERNSTEIN FESTIVAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21342	IMAG ARTS FESTIVAL	0.00	1,100.00-	485.00	615.00-	0.00	0.00	615.00
21343	INSTITUTE ON POLYMERS	0.00	2,500.00-	0.00	2,500.00-	0.00	0.00	2,500.00
22000	AES PROJECTS ADMIN #0001	2,000.00-	0.00	0.00	2,000.00-	0.00	0.00	2,000.00
22007	AES PROJECT #194	12,615.00-	0.00	510.27	1,489.73-	0.00	0.00	1,489.73
22009	AES PROJECT #198	15,687.96-	0.00	9,589.28	3,025.72-	0.00	0.00	3,025.72
22010	AES PROJECT #203	12,074.64-	10,000.00-	5,886.44	19,801.52-	0.00	0.00	19,801.52
22021	AES PROJECT #290	0.76-	0.00	9,336.23	2,738.41-	0.00	0.00	2,738.41
22023	AES PROJECT #5368	22,062.80-	58,975.04-	0.00	0.76-	0.00	0.00	0.76
22024	AES PROJECT #5404	2,336.14-	0.00	42,896.27	38,141.57-	0.00	0.00	38,141.57
22026	AES PROJECT #405	15,323.32-	10,000.00-	2,099.03	237.11-	0.00	0.00	237.11
22029	AES PROJECT #5407	2,852.22-	0.00	5,583.70	19,739.62-	0.00	0.00	19,739.62
22030	AES PROJECT #0317	1,482.82-	0.00	347.90	2,504.32-	0.00	0.00	2,504.32
22031	AES PROJECT #320	451.00	6,750.00-	1,344.14	138.68-	0.00	0.00	138.68
22032	AES PROJECT #429	0.00	7,544.00-	5,443.25	855.75-	0.00	0.00	855.75
22036	AES PROJECT #0327	614.03-	500.00-	0.00	7,544.00-	0.00	0.00	7,544.00
22038	AES PROJECT #330	5,326.48-	4,549.00-	593.55	520.48-	0.00	0.00	520.48
22039	AES PROJECT #331	1,121.68-	5,000.00-	1,500.06	8,375.42-	0.00	0.00	8,375.42
22042	AES PROJECT #334	1,127.47-	0.00	1,493.98	4,627.70-	0.00	0.00	4,627.70
22043	AES PROJECT #438	0.00	400.00-	1,000.00	127.47-	0.00	0.00	127.47
22045	AES PROJECT #338	0.00	250.00-	296.24	103.76-	0.00	0.00	103.76
22050	AES PROJECT #343	8,810.51-	0.00	85.00	165.00-	0.00	0.00	165.00
22052	AES PROJECT #346	2,155.17-	1,000.00-	2,428.05	6,382.46-	0.00	0.00	6,382.46
22053	AES PROJECT #347	0.00	0.00	616.77	2,538.40-	0.00	0.00	2,538.40
22055	AES PROJECT #350	121.11-	0.00	0.00	0.00	0.00	0.00	0.00
22059	AES PROJECT #354	10,936.22-	11,000.00-	112.14	8.97-	0.00	0.00	8.97
22060	AES PROJECT #355	7,605.06-	0.00	4,253.56	17,682.66-	0.00	0.00	17,682.66
22061	AES PROJECT #356	1,855.35-	2,000.00-	7,597.54	7.52-	0.00	0.00	7.52
22064	AES PROJECT #0359	328.66-	0.00	1,220.30	2,635.05-	0.00	0.00	2,635.05
22071	AES PROJECT #371	2,507.30-	3,000.00-	0.00	328.66-	0.00	0.00	328.66
22072	AES PROJECT #373	6,083.50-	5,000.00-	3,789.86	1,717.44-	0.00	0.00	1,717.44
22073	AES PROJECT #375	2,216.80-	150.00-	6,978.03	4,105.47-	0.00	0.00	4,105.47
22080	AES PROJECT #MS03	0.00	2,600.00-	327.08	2,039.72-	0.00	0.00	2,039.72
22082	AES PROJECT #M014	1,383.88-	2,500.00-	2,588.71	211.29-	0.00	0.00	211.29
22083	AES PROJECT #MS15	123.00-	2,205.00-	1,106.72	2,777.16-	0.00	0.00	2,777.16
22090	AES PROJECT #S-502	934.76-	0.00	779.11	1,548.89-	0.00	0.00	1,548.89
22093	AES PROJECT #0384	158.25-	2,000.00-	934.76	0.00	0.00	0.00	0.00
22098	AES PROJECT #389	21,806.96-	8,500.00-	183.04	1,975.21-	0.00	0.00	1,975.21
				6,509.45	23,797.51-	0.00	0.00	23,797.51

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GENERAL LEDGER FUND GRCLP SUMMARY AS OF 06/30/78

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
22101	AES PROJECT #0398	0.00	500.00-	0.00	500.00-	0.00	0.00	500.00
22106	AES PROJECT #0368	6,453.18-	0.00	5,900.10	553.08-	0.00	0.00	553.08
22500	NSF L/CR	0.00	0.00	0.00	0.00	0.00	795.78-	795.78
22528	NSF GP 15282	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22532	NSF GP 15857	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22542	NSF GK 18894	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22546	NSF GB 20491	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22550	NSF GP 20856	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22552	NSF GB 20952	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22554	NSF GB 21262	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22558	NSF GP 22515	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22564	NSF GB 22626	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22566	NSF GK 22837	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22568	NSF GP 22954	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22570	NSF GB 24167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22576	NSF GP 24624	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22582	NSF GP 26108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22586	NSF GP 27530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22592	NSF GB 28188	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22594	NSF GB 28225	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22600	NSF GP 28325	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22604	NSF GP 29664	2,062.36-	0.00	2,062.36	0.00	0.00	0.00	0.00
22606	NSF GK 29197	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22622	NSF GS 30516	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22624	NSF GS 30636	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22638	NSF GB 31990	2,189.57-	0.00	2,189.57	0.00	0.00	0.00	0.00
22645	NSF MPS 75 03377	305.13-	0.00	305.13	0.00	0.00	0.00	0.00
22648	NSF GK 32526X	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22650	NSF GB 32530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22654	NSF GA 33857	7,976.79-	0.00	7,976.79	0.00	0.00	0.00	0.00
22656	NSF GP 33961	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22666	NSF GH 33129X	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22668	NSF GB 33484	360.95-	0.00	360.95	0.00	0.00	0.00	0.00
22690	NSF GB 34508	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22700	NSF GH 34573	1,558.62-	0.00	1,558.62	0.00	0.00	0.00	0.00
22712	NSF GA 35617	220.57	0.00	0.00	220.57	0.00	220.57-	0.00
22714	NSF GJ 35759	1,000.08-	0.00	1,000.08	0.00	0.00	0.00	0.00
22718	NSF GH 35911	0.00	6,907.95-	6,907.95	0.00	0.00	0.11-	0.11
22722	NSF GP 36753	19,143.63-	0.00	19,143.63	0.00	0.00	0.00	0.00
22734	NSF GS 37277	15,873.80-	0.00	14,595.85	1,277.95-	0.00	1,331.09	53.14-
22746	NSF GP 37818	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22760	NSF GK 38148	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22764	NSF GH 38347	89,938.15-	0.00	89,938.15	0.00	0.00	0.00	0.00
22768	NSF GH 38848	17,514.63-	0.00	16,981.26	533.37-	0.00	533.37	0.00
22776	NSF GH 39111	14,100.45-	0.00	14,100.45	0.00	0.00	0.00	0.00
22786	NSF GA 40051	18,931.25-	0.00	2,762.29	16,168.96-	0.00	16,168.96	0.00

FISCAL YEAR TC DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
22794	NSF GA 41256X	0.74-	0.00	0.74	0.00	0.00	0.00	0.00
22795	NSF EAR 73 00667 A02	219.09-	1,400.00-	1,619.09	0.00	0.00	0.00	0.00
22796	NSF GP 41168X	2,664.76-	0.00	2,545.32	119.44-	0.00	119.44	0.00
22800	NSF GS 41243	979.37-	0.00	608.78	370.59-	0.00	370.59	0.00
22802	NSF GP 41696X	54,206.67-	0.00	48,764.35	5,442.32-	0.00	1,860.27	3,582.05
22812	NSF G8 41856	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22814	NSF GK 41899	6.61-	0.00	6.61	0.00	0.00	0.00	0.00
22816	NSF GZ 1920	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22824	NSF GY 9945	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22828	NSF GY 10552	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22834	NSF GY 7788	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22838	NSF GY 10361	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22844	NSF G8 27982	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22846	NSF GP 28238	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22856	NSF GY 11161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22860	NSF G8 42647	1,709.54-	0.00	1,709.54	0.00	0.00	0.00	0.00
22862	NSF GP 42756	8,470.03-	0.00	8,470.03	0.00	0.00	0.00	0.00
22864	NSF GP 42996X	2,238.61-	0.00	2,178.77	59.84-	0.00	59.84	0.00
22870	NSF GB 43051X	3,806.87-	8,000.00-	11,125.59	681.28-	0.00	681.28	0.00
22874	NSF GP 43408	4,785.46-	0.00	3,818.46	967.00-	0.00	28.27	938.73
22876	NSF GS 43389	14,599.95-	0.00	14,599.95	0.00	0.00	0.00	0.00
22892	NSF GY 11116	994.84-	0.00	554.84	0.00	0.00	0.00	0.00
22902	NSF ATA 74-12611	46,000.70-	0.00	46,006.70	0.00	0.00	0.00	0.00
22906	NSF SOC 74 19859	6,205.90-	0.00	6,205.90	0.00	0.00	0.00	0.00
22908	NSF BMS 74 19341	49,384.50-	0.00	15,884.46	29,500.04-	0.00	29,500.04	0.00
22910	NSF DMR 74 15629	8.10	0.00	8.10-	0.00	0.00	0.00	0.00
22912	NSF ENG 74 03399	57,669.83-	0.00	29,993.85	27,675.98-	0.00	27,675.98	0.00
22914	NSF MPS 74 04805	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22916	NSF DMR 74 18030	12,717.37-	0.00	12,587.03	269.66	0.00	269.66-	0.00
22918	NSF BMS 74 17825	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22920	NSF BMS 74 20577	2,946.74-	0.00	2,635.00	311.74-	0.00	94.39	217.35
22922	NSF BMS 74 19489	12,360.61-	0.00	12,199.85	160.76-	0.00	160.76	0.00
22926	NSF DES 74 22509	24,745.34-	8,000.00-	23,853.80	8,891.54-	0.00	8,891.54	0.00
22930	NSF DCR 74 20025	25.50	0.00	25.50-	0.00	0.00	0.00	0.00
22932	NSF MPS 74-11496	18,300.55-	3,500.00-	18,588.54	2,812.01-	0.00	2,812.01	0.00
22934	NSF BMS 75-02270	5,826.00-	0.00	5,826.00	0.00	0.00	0.00	0.00
22938	NSF BMS 74 21989	7,500.17	1,550.00-	1,337.77	7,287.94	0.00	7,287.94-	0.00
22940	NSF BMS 75 03188	1,045.76	0.00	1,045.76	0.00	0.00	0.00	0.00
22942	NSF BMS 75 13062	3,095.33-	0.00	3,095.33	0.00	0.00	0.00	0.00
22944	NSF MPS 74 15244	7,910.44-	144,400.00-	45,240.87	107,069.57-	0.00	107,069.57	0.00
22946	NSF BMS 74 21665	38,905.30-	0.00	17,898.97	21,006.33-	0.00	21,006.33	0.00
22950	NSF ENG 74 17383	9,590.09-	0.00	9,590.09	0.00	0.00	0.00	0.00
22954	NSF ENG 74 02428	10,696.25-	0.00	10,493.03	203.22-	0.00	203.22	0.00
22956	NSF ENG 75 10648	140.01-	0.00	140.01	0.00	0.00	0.00	0.00
22960	NSF DMR 75 08799	46.25-	0.00	46.25	0.00	0.00	0.00	0.00
22962	NSF BMS 75 10438	4,475.19-	21,700.00-	22,086.97	4,088.22-	0.00	4,088.22	0.00



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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INDEX 0-22964

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
22964 NSF	DMR 75 05004	69,184.68-	0.00	43,147.72	26,036.96-	0.00	26,036.96	0.00
22966 NSF	DMR 75 06916	4,831.06-	0.00	4,500.52	330.54-	0.00	330.54	0.00
22968 NSF	ENG 75 04353	51,113.91	66,900.00-	15,786.09	0.00	0.00	0.00	0.00
22970 NSF	ENG 75 09334	11,290.71-	27,000.00-	15,740.66	22,550.05-	0.00	22,550.05	0.00
22972 NSF	MPS 75 09730	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22974 NSF	OIP 75 10061	6,600.00	0.00	6,600.00-	0.00	0.00	0.00	0.00
22976 NSF	OCF 75 00975	15.77-	0.00	15.77	0.00	0.00	0.00	0.00
22978 NSF	MPS 75 07605	812.87-	0.00	812.87	0.00	0.00	0.00	0.00
22980 NSF	ENG 74 19521	5,333.19-	0.00	9,333.19	0.00	0.00	0.00	0.00
22982 NSF	MPS 75 08630	17,314.45	0.00	17,314.45-	0.00	0.00	0.00	0.00
22988 NSF	MPS 75 07442	11,124.40-	0.00	8,850.24	2,274.16-	0.00	2,274.16	0.00
22990 NSF	MPS 75 07470	8,858.43-	0.00	8,858.43	0.00	0.00	0.00	0.00
22994 NSF	BMS 75 13956	7,140.82-	47,600.00-	32,556.88	21,743.94-	0.00	21,743.94	0.00
22996 NSF	HES 75 11601	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22998 NSF	HES 75 11765	10,500.00-	0.00	9,216.88	1,283.12-	0.00	57.62	1,225.50
23000 NSF	HES 75 12471	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23004 NSF	DES 75 15012	4,090.08-	0.00	4,090.08	0.00	0.00	0.00	0.00
23006 NSF	BMS 75 10693	4,252.12-	26,100.00-	11,983.25	18,368.87-	0.00	18,368.87	0.00
23010 NSF	HES 75 12006	14,817.67-	0.00	14,809.57	8.10-	0.00	6.72	1.38
23012 NSF	OIP 76 00362	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23014 NSF	DCR 75 16098	4,990.66-	163,400.00-	58,652.81	109,737.85-	0.00	109,737.85	0.00
23016 NSF	BMS 75 22424	8,599.06-	110,000.00-	26,726.21	91,872.85-	0.00	91,872.85	0.00
23020 NSF	MPS 75 17743	11,057.59-	41,700.00-	36,892.57	15,865.02-	0.00	15,865.02	0.00
23022 NSF	BMS 76 02172	43,479.02-	0.00	33,423.38	10,055.64-	0.00	10,055.64	0.00
23024 NSF	ENG 75 14732	8,570.85-	0.00	8,570.85	0.00	0.00	0.00	0.00
23026 NSF	PHY 75 19120	39,893.62-	0.00	39,893.62	0.00	0.00	0.00	0.00
23030 NSF	DEB 75 20279	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23032 NSF	ENG 75 14850	58,364.89-	0.00	29,704.05	28,660.84-	0.00	28,660.84	0.00
23034 NSF	AST 75 23581	32,056.81-	0.00	34,616.03	2,559.22	0.00	0.00	2,559.22-
23036 NSF	ENG 75 17002	44,995.60-	0.00	12,562.68	32,032.92-	0.00	32,032.92	0.00
23038 NSF	DEB 75 21018	16,120.93-	0.00	16,964.80	843.87	0.00	222.48-	621.39-
23040 NSF	CHE 76 02002	31,216.16-	35,000.00-	42,911.19	23,304.97-	0.00	23,304.97	0.00
23042 NSF	CHE 76 01809	25,462.50-	29,000.00-	26,860.09	27,602.41-	0.00	27,602.41	0.00
23044 NSF	EAR 76 02741	16,689.15-	0.00	16,035.89	653.26-	0.00	653.26	0.00
23046 NSF	EAR 76 03763	88.30-	0.00	88.30	0.00	0.00	0.00	0.00
23048 NSF	ISP 76 15775	28,828.81-	2,500.00-	44,102.22	12,773.41	0.00	12,773.41-	0.00
23050 NSF	AST 76 06808	31,105.61-	0.00	24,765.91	6,339.70-	0.00	6,339.70	0.00
23052 NSF	PCM 76 00439	24,667.38-	0.00	19,498.82	5,168.56-	0.00	5,168.56	0.00
23054 NSF	PCM 76 00449	34,685.80-	0.00	24,558.18	10,127.62-	0.00	10,127.62	0.00
23056 NSF	BNS 76 02575	14,197.90-	0.00	11,435.94	2,761.96-	0.00	2,761.96	0.00
23058 NSF	SMI 76 03852	317.73-	0.00	317.73	0.00	0.00	0.00	0.00
23064 NSF	MCS 76 06599	18,052.17-	0.00	15,530.46	2,521.71-	0.00	2,521.71	0.00
23066 NSF	BNS 76 06397	1,345.44-	0.00	1,345.44	0.00	0.00	0.00	0.00
23068 NSF	MCS 76 06644	4,457.89-	16,851.00-	5,320.88	15,988.01-	0.00	15,988.01	0.00
23070 NSF	CHE 76 07378	36,377.48-	0.00	30,773.17	5,604.31-	0.00	5,604.31	0.00
23072 NSF	MCS 76 03667	18,819.88-	0.00	14,568.15	3,851.73-	0.00	3,851.73	0.00

FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
23074	NSF ENG 75 20070	13,998.89-	0.00	13,998.89	0.00	0.00	0.00	0.00
23076	NSF DMR 76 08260	53,345.35-	0.00	47,459.32	5,886.03-	0.00	5,886.03	0.00
23078	NSF MCS 76 06752	5,425.99-	0.00	4,591.81	834.18-	0.00	834.18	0.00
23080	NSF DMR 76 14447	4,218.68-	60,000.00-	54,447.09	9,771.59-	0.00	9,771.59	0.00
23082	NSF INT 75 22298	6,130.60-	0.00	5,500.00	630.60-	0.00	630.60	0.00
23084	NSF MCS 76 06370	894.09-	8,000.00-	6,071.64	2,822.45-	0.00	2,822.45	0.00
23086	NSF PCM 75 19852	34,792.09-	0.00	16,611.26	18,180.83-	0.00	18,180.83	0.00
23088	NSF PCM 76 04864	26,723.18-	0.00	24,781.36	1,941.82-	0.00	1,941.82	0.00
23090	NSF INT 76 08743	1,187.00-	0.00	158.00	1,029.00-	0.00	1,029.00	0.00
23092	NSF SER 76 14872	9,020.66-	0.00	8,960.39	60.27-	0.00	60.27	0.00
23094	NSF MCS 76 06440	1,053.80-	0.00	1,053.80	0.00	0.00	0.00	0.00
23096	NSF SER 76 12903	13,241.10-	0.00	13,240.24	0.86-	0.00	0.86	0.00
23098	NSF SER 76 12904	56.38-	0.00	56.38	0.00	0.00	0.00	0.00
23100	NSF SER 76 12941	2,655.42-	0.00	2,549.20	106.22-	0.00	106.22	0.00
23102	NSF ENV 76 15441	248,233.34-	367,550.00-	423,642.97	192,140.37-	0.00	192,140.37	0.00
23104	NSF MCS 76 08955	2,538.11-	0.00	2,538.11	0.00	0.00	0.00	0.00
23106	NSF SMI 76 22852	2,700.00-	0.00	2,700.00	0.00	0.00	0.00	0.00
23108	NSF PCM 75-22123	15,608.27-	0.00	13,122.49	2,485.78-	0.00	2,485.78	0.00
23110	NSF ENG 75 20069	13,472.25-	0.00	9,500.35	3,971.90-	0.00	3,971.90	0.00
23112	NSF ENG 76 14385	32,709.83-	0.00	23,923.50	8,786.33-	0.00	8,786.33	0.00
23114	NSF MCS 76 11650	11,446.98-	0.00	32,266.13	20,819.15-	0.00	20,819.15-	0.00
23116	NSF ENG 76 15623	15,146.85-	0.00	44,857.37	29,710.52-	0.00	29,710.52-	0.00
23118	NSF BNS 76-18623	54,037.82-	12,400.00-	38,610.32	27,827.50-	0.00	27,827.50	0.00
23120	NSF DER 76-19911	9,471.30-	0.00	4,446.30	5,025.00-	0.00	5,025.00	0.00
23122	NSF OMR 76 15661	35,584.03-	0.00	19,086.83	16,497.20-	0.00	16,497.20	0.00
23124	NSF EAR 76 22460	7,171.34-	0.00	6,945.11	226.23-	0.00	226.23	0.00
23126	NSF INT 76 00643	5,495.50-	0.00	1,879.25	3,616.25-	0.00	3,616.25	0.00
23128	NSF PCM 76 10780	38,731.70-	0.00	24,412.05	14,319.65-	0.00	14,319.65	0.00
23130	NSF EAR 76 22356	73,000.00-	0.00	0.00	73,000.00-	0.00	73,000.00	0.00
23132	NSF PCM 76 09969	40,457.54-	0.00	30,258.71	10,198.83-	0.00	10,198.83	0.00
23134	NSF ENG 76 19492	40,775.57-	0.00	22,750.23	18,025.34-	0.00	18,025.34	0.00
23136	NSF ENV 76 14833	32,369.18-	85,014.00-	43,285.08	74,098.10-	0.00	74,098.10	0.00
23138	NSF PCM 76 84135	28,881.83-	20,000.00-	36,699.15	12,182.68-	0.00	12,182.68	0.00
23140	NSF CHE 76 20878	29,650.38-	0.00	28,890.44	759.94-	0.00	759.94	0.00
23142	NSF PHY 76 84387	148,997.02-	170,000.00-	146,386.36	172,610.66-	0.00	172,610.66	0.00
23144	NSF BNS 76 83121	7,192.00-	68,570.00-	16,825.72	58,936.28-	0.00	58,936.28	0.00
23146	NSF ENG 76 21923	32,867.74-	0.00	20,739.41	12,128.33-	0.00	12,128.33	0.00
23148	NSF ENG 76 17382	35,594.58-	0.00	13,617.67	21,976.91-	0.00	21,976.91	0.00
23150	NSF DMR 76 17001	5,962.06-	25,500.00-	7,489.09	23,972.97-	0.00	23,972.97	0.00
23152	NSF BNS 76 80275	75,549.20-	0.00	32,671.71	42,871.49-	0.00	42,871.49	0.00
23154	NSF ENG 76 80145	30,603.92-	0.00	20,776.10	9,827.82-	0.00	9,827.82	0.00
23156	NSF PCM 76 11948	36,000.00-	0.00	36,000.00	0.00	0.00	0.00	0.00
23158	NSF SMI 76 83470	9,234.77-	0.00	8,957.01	277.76-	0.00	277.76	0.00
23160	NSF SMI 76 83985	7,519.00-	9,850.00-	9,670.58	7,698.42-	0.00	7,698.42	0.00
23162	NSF AST 76 24610	443,998.03-	839,900.00-	734,693.18	549,204.85-	0.00	549,204.85	0.00
23164	NSF DMR 76 80641	475,000.00-	0.00	415,158.81	59,841.19-	0.00	59,841.19	0.00

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
23166 NSF	DMR 77 05647	22,794.55-	34,125.00-	29,818.71	27,100.84-	0.00	27,100.84	0.00
23168 NSF	OEB 75 16428	16,100.00-	0.00	16,057.00	43.00-	0.00	43.00	0.00
23169 NSF	OEB 75 16428(INCOME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23170 NSF	BNS 76 23647	39,000.00-	0.00	27,341.90	11,658.10-	0.00	11,658.10	0.00
23172 NSF	OEB 76 82917	42,621.00-	0.00	21,119.41	21,501.59-	0.00	21,501.59	0.00
23174 NSF	APR 77 10189	3,000.00-	0.00	3,000.00	0.00	0.00	0.00	0.00
23176 NSF	MCS 76 80854	120,701.35-	0.00	53,938.81	66,762.54-	0.00	66,762.54	0.00
23178 NSF	ENG 76 18396	68,100.00-	0.00	36,430.11	31,669.89-	0.00	31,669.89	0.00
23180 NSF	MCS 76 84477	78,542.34-	0.00	36,505.44	42,036.90-	0.00	42,036.90	0.00
23182 NSF	BNS 76 21604	6,310.00-	0.00	6,026.57	283.43-	0.00	283.43	0.00
23184 NSF	MCS 77 04927	21,000.00-	0.00	8,783.38	12,216.62-	0.00	12,216.62	0.00
23186 NSF	DMR 77 07727	25,000.00-	28,200.00-	25,655.26	27,504.74-	0.00	27,504.74	0.00
23188 NSF	OCE 77-05700	18,142.23-	0.00	10,176.42	7,965.81-	0.00	7,965.81	0.00
23190 NSF	ERS 77 16138	81,900.00-	0.00	39,348.48	42,551.52-	0.00	42,551.52	0.00
23192 NSF	INT 77 12106	0.00	21,800.00-	9,066.49	12,733.51-	0.00	12,733.51	0.00
23194 NSF	EAR 76 23787	0.00	103,400.00-	70,109.30	33,290.70-	0.00	33,290.70	0.00
23196 NSF	PCM 77 03511	0.00	91,100.00-	45,849.21	45,250.79-	0.00	45,250.79	0.00
23198 NSF	MCS 77 02101	0.00	27,800.00-	23,124.23	4,675.77-	0.00	4,675.77	0.00
23200 NSF	CHE 77 08542	0.00	82,335.00-	37,002.96	45,332.04-	0.00	45,332.04	0.00
23202 NSF	PHY 77 07592	0.00	29,300.00-	15,825.13	13,474.87-	0.00	13,474.87	0.00
23204 NSF	MCS 77 02262	0.00	17,800.00-	7,517.01	10,282.99-	0.00	10,282.99	0.00
23206 NSF	SMI 77 14705	0.00	27,935.00-	18,650.24	9,244.76-	0.00	9,244.76	0.00
23208 NSF	SMI 77 22013	0.00	36,500.00-	33,125.00	3,375.00-	0.00	3,375.00	0.00
23210 NSF	INT 77 06307	0.00	7,000.00-	0.00	7,000.00-	0.00	7,000.00	0.00
23212 NSF	MCS 77 01735	0.00	29,900.00-	11,875.80	18,024.20-	0.00	18,024.20	0.00
23214 NSF	MCS 77 08901	0.00	5,400.00-	5,115.00	285.00-	0.00	285.00	0.00
23216 NSF	PHY 77 02172	0.00	14,000.00-	7,072.14	6,927.86-	0.00	6,927.86	0.00
23218 NSF	PCM 76 23290	0.00	35,000.00-	21,672.82	13,327.18-	0.00	13,327.18	0.00
23220 NSF	MCS 77 08964	0.00	90,000.00-	7,307.00	82,693.00-	0.00	82,693.00	0.00
23222 NSF	BNS 76 23960	0.00	33,000.00-	22,723.00	10,277.00-	0.00	10,277.00	0.00
23224 NSF	BNS 77 05682	0.00	25,000.00-	5,563.41	19,436.59-	0.00	19,436.59	0.00
23226 NSF	SER 77 10460	0.00	19,200.00-	0.00	19,200.00-	0.00	19,200.00	0.00
23228 NSF	OEB 77 15055	0.00	2,400.00-	896.91	1,503.09-	0.00	1,503.09	0.00
23230 NSF	DMR 77 15566	0.00	69,700.00-	69,700.00	0.00	0.00	0.00	0.00
23232 NSF	BNS 77 11671	0.00	41,200.00-	13,328.04	27,871.96-	0.00	27,871.96	0.00
23234 NSF	PCM 77 15183	0.00	47,000.00-	15,709.84	31,290.16-	0.00	31,290.16	0.00
23236 NSF	PHY 77 17230	0.00	102,900.00-	10,248.58	92,651.42-	0.00	92,651.42	0.00
23238 NSF	BNS 77 05653	0.00	69,900.00-	22,521.65	47,378.35-	0.00	47,378.35	0.00
23240 NSF	APR 77 10197	0.00	396,000.00-	121,301.49	274,698.51-	0.00	274,698.51	0.00
23242 NSF	ERS 77 22216	0.00	94,300.00-	13,023.95	81,276.05-	0.00	81,276.05	0.00
23244 NSF	OSS 77 20835	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23246 NSF	SED 77 19226	0.00	14,100.00-	6,588.47	7,511.53-	0.00	7,511.53	0.00
23248 NSF	ATM 77 15189	0.00	20,900.00-	7,527.84	13,372.16-	0.00	13,372.16	0.00
23250 NSF	AST 77 20019	0.00	65,000.00-	19,919.43	45,080.57-	0.00	45,080.57	0.00
23252 NSF	BNS 77 13024	0.00	53,100.00-	19,477.31	33,622.69-	0.00	33,622.69	0.00
			90,626.00-	15,570.27	75,055.73-	0.00	75,055.73	0.00



FISCAL YEAR TC DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
23254	NSF BNS 77 14871	0.00	54,000.00-	3,506.29	50,493.71-	0.00	50,493.71	0.00
23256	NSF PCM 77 24192	0.00	70,000.00-	19,324.22	50,675.78-	0.00	50,675.78	0.00
23258	NSF DMR 78 03401	0.00	5,443.00-	3,736.57	1,706.43-	0.00	1,706.43	0.00
23260	NSF SPI 78 01215	0.00	7,300.00-	6,625.00	675.00-	0.00	675.00	0.00
23262	NSF CHE 77 14679	0.00	32,262.00-	8,026.64	24,235.36-	0.00	24,235.36	0.00
23264	NSF CHE 77 21365	0.00	44,700.00-	10,918.98	33,781.02-	0.00	33,781.02	0.00
23266	NSF DMR 77 24955	0.00	71,800.00-	4,248.71	67,551.29-	0.00	67,551.29	0.00
23268	NSF PCM 77 17705	0.00	50,000.00-	5,865.54	44,134.46-	0.00	44,134.46	0.00
23270	NSF DEB 77 25558	0.00	40,143.00-	5,822.01	34,320.99-	0.00	34,320.99	0.00
23272	NSF ENG 77 22153	0.00	91,130.00-	2,780.25	88,349.75-	0.00	88,349.75	0.00
23274	NSF PCM 77 19007	0.00	27,000.00-	5,479.83	21,520.17-	0.00	21,520.17	0.00
23276	NSF EAR 77 28108	0.00	25,000.00-	0.00	25,000.00-	0.00	25,000.00	0.00
23278	NSF BNS 77 24788	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23280	NSF PCM 77 20306	0.00	92,000.00-	0.00	92,000.00-	0.00	92,000.00	0.00
23282	NSF AST 78 04792	0.00	28,700.00-	2,235.15	26,464.85-	0.00	26,464.85	0.00
23284	NSF ENG 78 05565	0.00	25,000.00-	4,724.59	20,275.41-	0.00	20,275.41	0.00
23286	NSF ENG 78 05538	0.00	24,600.00-	3,055.22	21,544.78-	0.00	21,544.78	0.00
23288	NSF ENG 78 00746	0.00	73,100.00-	7,969.38	65,130.62-	0.00	65,130.62	0.00
23290	NSF SPI 78 05205	0.00	32,969.00-	0.00	32,969.00-	0.00	32,969.00	0.00
23292	NSF DMR 78 05925	0.00	57,405.00-	0.00	57,405.00-	0.00	57,405.00	0.00
23294	NSF BNS 78 01178	0.00	48,887.00-	0.00	48,887.00-	0.00	48,887.00	0.00
23296	NSF DMR 78 07762	0.00	62,500.00-	0.00	62,500.00-	0.00	62,500.00	0.00
23298	NSF MCS 78 06746	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25000	PHS L/CR	0.00	0.00	0.00	0.00	0.00	252,478.66	252,478.66-
25010	NIH-PBRP-LOUTTIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25015	HEW 100-76-0105	10,872.98-	0.00	10,872.98	0.00	0.00	0.00	0.00
25020	OS 01-D-000201-01-0	0.00	200,000.00-	161.56	199,838.44-	0.00	199,838.44	0.00
25079	HEW RC-461	6,611.00-	0.00	0.00	6,611.00-	0.00	6,611.00	6,611.00
25080	HEW RC-764	8,965.00-	0.00	0.00	8,965.00-	0.00	8,965.00	8,965.00
25094	PHS HEW FDA 223-73-2198	13,894.43-	0.00	13,894.42	0.01-	0.00	5,919.41	5,919.40-
25102	PHS RR-07048-09	2,225.47-	0.00	4,122.60	1,897.13	0.00	1,786.27-	110.86-
25107	PHS MH 01293-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25108	PHS MH 01293-21	14,548.18-	16,480.00-	11,751.41	15,276.77-	0.00	19,276.77	0.00
25113	PHS DE 03818-03	366.49	0.00	366.49-	0.00	0.00	0.00	0.00
25115	PHS HD 04189-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25126	PHS HD 06604-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25127	PHS HD 06604-03A1	1,170.12-	0.00	1,170.12	0.00	0.00	0.00	0.00
25128	NIH 5 R01 HD06604-04	11,279.26-	6,470.00-	18,135.20	385.94	0.00	4,093.00	4,478.54-
25142	PHS AR05712-03	3,756.77-	0.00	659.79	3,056.98-	0.00	3,056.98	0.00
25148	PHS HD 06788-04	0.50	0.00	0.50-	0.00	0.00	0.50-	0.50
25149	PHS HD 06788-05	691.92-	0.00	691.92	0.00	0.00	0.00	0.00
25154	PHS HD 07397-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25155	PHS HD 07397-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25175	PHS HD 23551-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25180	PHS MH 23886-03	10,532.77-	0.00	10,532.77	0.00	0.00	0.00	0.00
25181	ACAMHA 2 R01 MH23886-04	0.00	57,306.00-	11,604.78	45,701.22-	0.00	45,701.22	0.00

PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TC DATE

INDEX 0-25183

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	CTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25183	PHS MH 23939-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25188	PHS MH 25329-01	3,079.40	0.00	3,079.40	0.00	0.00	0.00	0.00
25190	PHS MH 25329-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25191	PHS MH 25329-04	38,242.78	0.00	31,002.89	7,239.89	0.00	7,239.89	0.00
25201	PHS HS 00709-05	3,650.42	0.00	3,650.42	0.00	0.00	0.00	0.00
25204	PHS AI 00742-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25205	PHS AI 00742-21	7,865.32	0.00	7,865.32	0.00	0.00	0.00	0.00
25206	NIH 5 R01 A100742-22	55,648.55	30,831.00	78,038.22	8,441.33	0.00	8,441.33	0.00
25207	NIH 5 R01 A100742-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25230	PHS AI 06153-12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25231	PHS AI 06153-13	7,023.94	0.00	6,663.21	360.73	0.00	360.73	0.00
25234	PHS AI 06848-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25235	PHS AI 06848-11	1,068.29	0.00	1,068.29	0.00	0.00	0.00	0.00
25236	NIH 5 R01 A106848-12	19,036.29	12,610.00	30,757.01	889.28	0.00	4,741.31	3,852.03
25253	PHS NS 08869-05	0.00	0.00	0.00	0.00	0.00	3,693.76	3,693.76
25254	PHS NS 08869-06	15,977.41	0.00	10,894.31	5,083.10	0.00	5,083.10	0.00
25257	PHS GM 09706-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25258	PHS GM 09706-11	22,165.13	0.00	22,165.13	0.00	0.00	0.00	0.00
25259	NIH 5 R01 GM09706-12	2,182.29	76,942.00	70,647.73	4,111.98	0.00	6,759.94	2,647.96
25260	NIH 5 R01 GM09706-13	0.00	52,400.00	3,627.76	48,772.24	0.00	48,772.24	0.00
25262	PHS NS 09755-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25263	PHS NS 09755-07	4,859.31	0.00	3,160.94	1,698.37	0.00	1,698.37	0.00
25265	PHS AI 10806-03	640.73	0.00	640.73	0.00	0.00	0.00	0.00
25266	PHS AI 10806-04	22,463.57	0.00	22,463.57	0.00	0.00	0.00	0.00
25267	NIH 5 R01 A110806-05	0.00	52,282.00	31,823.82	20,458.18	0.00	23,399.31	2,941.13
25268	PHS NS 10783-03	81.25	0.00	81.25	0.00	0.00	0.00	0.00
25269	PHS NS 10783-04	4,165.07	0.00	475.55	3,689.52	0.00	3,689.52	0.00
25270	NIH 5 R01 NS10783-05	1,340.96	14,495.00	29,773.15	16,619.11	0.00	6,557.11	10,062.00
25271	NIH 5 R01 NS10783-06	0.00	49,192.00	1,982.01	47,209.99	0.00	47,209.99	0.00
25275	PHS NS 10873-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25276	PHS NS 10873-04	10,055.89	14,979.00	4,923.11	0.00	0.00	0.00	0.00
25277	NIH 5 R01 NS10873-05	18,825.69	0.00	24,650.17	5,824.48	0.00	1,533.80	4,290.68
25278	NIH 5 R01 NS10873-06	0.00	48,035.00	5,641.40	42,393.60	0.00	42,393.60	0.00
25279	PHS AI 10982-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25280	PHS AI 10982-04	1,108.62	0.00	1,108.62	0.00	0.00	0.00	0.00
25282	PHS AI 11909-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25283	PHS AI 11909-03	0.79	0.00	0.79	0.00	0.00	0.00	0.00
25287	PHS GM 21198-08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25288	PHS GM 21198-09	20,029.48	0.00	20,029.48	0.00	0.00	0.00	0.00
25289	NIH 2 R01 GM21198-10	0.00	46,080.00	6,993.04	39,086.96	0.00	39,086.96	0.00
25292	PHS AM 11157-10	149.32	0.00	149.32	0.00	0.00	0.00	0.00
25293	PHS GM 11071-14	407.06	0.00	407.06	0.00	0.00	0.00	0.00
25295	PHS GM 11071-13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25297	PHS NS 11329-02	83.73	0.00	83.73	0.00	0.00	0.00	0.00
25298	PHS NS 11329-03	7,994.90	0.00	6,464.92	1,529.98	0.00	1,529.98	0.00
25299	NIH 2 R01 NS11329-04	0.00	63,775.00	30,135.49	33,639.51	0.00	33,639.51	0.00



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TC DATE

INDEX 0-25300

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25300	PHS NS 11425-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25301	PHS NS 11425-03	1,613.82-	0.00	1,613.82	0.00	0.00	0.00	0.00
25302	NIH 2 R01 NS11425-04 A1	0.00	63,031.00-	27,959.36	35,071.64-	0.00	35,071.64	0.00
25314	PHS HL 13188-07	531.44-	0.00	531.44	0.00	0.00	0.00	0.00
25322	PHS HL 14270-05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25323	PHS HL 14270-06	6,601.23-	6,624.00-	9,695.84	3,525.39-	0.00	6,130.44	2,601.05-
25326	PHS GM 13689-09	30,985.00-	0.00	0.00	30,985.00-	0.00	30,985.00	0.00
25327	PHS GM 13689-10	1,903.33-	0.00	1,903.33	0.00	0.00	0.00	0.00
25335	PHS AM 13904-07	1,288.00-	0.00	1,288.00	0.00	0.00	0.00	0.00
25336	PHS AM 13904-08	43,618.02-	0.00	43,618.02	0.00	0.00	0.00	0.00
25337	NIH 5 R01 AM13904-09	0.00	104,190.00-	52,100.16	52,089.84-	0.00	52,089.84	0.00
25341	PHS HL 14523-04	10,168.14-	0.00	10,168.14	0.00	0.00	0.00	0.00
25342	PHS HL 14523-05	14,779.03-	0.00	11,181.24	3,597.79-	0.00	3,597.79	0.00
25343	NIH 2 R01 HL14523-06	143,121.30-	46,684.00	95,629.79	807.51-	0.00	807.51	0.00
25344	NIH 5 R01 HL14523-07	0.00	0.00	2,826.61	2,826.61	0.00	0.00	2,826.61-
25345	PHS CA 14674-03	784.00-	0.00	0.00	784.00-	0.00	784.00	0.00
25352	PHS GM 14945-09	350.00-	0.00	350.00	0.00	0.00	0.00	0.00
25353	PHS GM 14945-10	57.20-	0.00	57.20	0.00	0.00	0.00	0.00
25354	NIH 5 R01 GM14945-11	62,928.35-	17,984.00	43,362.70	1,581.65-	0.00	1,581.65	0.00
25355	NIH 2 R01 GM14945-12	0.00	78,003.00-	8,115.78	69,887.22-	0.00	69,887.22	0.00
25365	PHS CA 15915-03	1,250.38-	0.00	1,250.38	0.00	0.00	0.00	0.00
25368	PHS AM 16550-03	8,313.26-	0.00	5,409.63	2,903.63-	0.00	2,903.63	0.00
25371	PHS AM 17456-03	4,322.10-	0.00	4,292.74	29.36-	0.00	29.36	0.00
25372	PHS AM 17456-04	21,758.41-	0.00	19,103.26	2,655.15-	0.00	2,655.15	0.00
25373	NIH 5 R01 AM17456-05	0.00	69,270.00-	56,515.52	12,754.48-	0.00	22,043.00	9,288.52-
25375	PHS GM 19351-04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25376	PHS GM 19351-05	35.97-	0.00	35.97	0.00	0.00	0.00	0.00
25378	PHS GM 19848-03	6,327.77-	0.00	6,327.77	0.00	0.00	0.00	0.00
25381	PHS GM 19645-03	990.17-	0.00	990.17	0.00	0.00	0.00	0.00
25384	PHS GM 20909-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25385	PHS GM 20909-04	8,610.99-	0.00	8,610.99	0.00	0.00	0.00	0.00
25386	NIH 5 R01 GM20909-05	0.00	39,429.00-	23,857.48	15,571.52-	0.00	15,571.52	0.00
25387	PHS PE 00095-03	972.30-	0.00	972.30	0.00	0.00	0.00	0.00
25388	PHS 015000006-04	31.11-	0.00	0.00	31.11-	0.00	31.11	0.00
25389	PHS 01000006-05	58,561.37-	0.00	3,438.63-	62,000.00-	0.00	62,000.00	0.00
25391	PHS 01-D-000037-02-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25392	PHS 01-D-00037-03-0	35,979.00-	0.00	17,446.82	18,532.18-	0.00	18,532.18	0.00
25393	NIH 5 D08 PE11003-04	0.00	179,193.00-	89,781.47	89,411.53-	0.00	139,265.41	49,853.88-
25395	PHS HD 00204-07	40.10	0.00	0.00	40.10	0.00	40.10-	0.00
25396	PHS HD 00204-08	1,943.17-	0.00	1,943.17	0.00	0.00	0.00	0.00
25397	NIH 5 T01 HD00204-09	53,508.00-	0.00	52,517.35	990.65-	0.00	990.65	0.00
25398	NIH 5 T01 HD00204-10	0.00	57,438.00-	0.00	57,438.00-	0.00	57,438.00	0.00
25400	PHS 01 S000006-05 (HOSP)	62,000.00	0.00	0.00	62,000.00-	0.00	0.00	62,000.00-
25415	PHS NU 00131-05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25416	PHS NU 00131-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25420	PHS NU 00591-01	512.08	512.08-	0.00	0.00	0.00	0.00	0.00



FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25516	PHS HL 16952-03	7,646.08-	0.00	6,796.77	849.31-	0.00	849.31	0.00
25518	PHS GM 21420-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25519	PHS GM 21420-03	120.13	0.00	120.13-	0.00	0.00	0.00	0.00
25521	PHS GM 21747-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25522	PHS GM 21747-03	233.38-	0.00	119.16	114.22-	0.00	0.00	114.22
25523	NIH 2 R01 GM21747-04	0.00	47,790.00-	17,779.00	30,011.00-	0.00	30,011.00	0.00
25527	PHS AI 11269-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25528	PHS AI 11269-03	842.70-	0.00	842.70	0.00	0.00	0.00	0.00
25530	PHS AM 17496-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25531	PHS AM 17496-03	24,364.39-	0.00	23,752.57	611.82-	0.00	611.82	0.00
25533	PHS AM 17708-02	4,223.75-	0.00	4,223.75	0.00	0.00	0.00	0.00
25536	PHS HD 08979-02	51.55-	0.00	103.10	51.55	0.00	0.00	51.55-
25537	PHS HD 08979-03	5,724.76-	0.00	34,706.49	28,981.73	0.00	28,981.73-	0.00
25539	PHS MH 00042-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25540	PHS MH 00042-03	5,357.41-	26,666.00-	25,119.12	6,904.29-	0.00	6,904.29	0.00
25542	PHS MH 13740-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25543	PHS MH 13740-03	22,636.27	0.00	22,636.27-	0.00	0.00	0.00	0.00
25544	PHS MH 13811-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25545	PHS MH 13811-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25546	PHS MH 13811-03	12,970.77-	3,162.00-	16,102.56	30.21-	0.00	30.21	0.00
25547	PHS MH 22299-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25548	PHS MH 22299-02	9,406.86-	0.00	7,116.63	2,290.23-	0.00	2,290.23	0.00
25550	PHS MH 25935-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25551	PHS MH 25935-02	7,443.95-	7,253.00-	14,696.95	0.00	0.00	0.00	0.00
25552	ADAMHA 5 R01 MH25935-03	0.00	38,284.00-	4,573.21	33,310.79-	0.00	33,310.79	0.00
25553	PHS MH 26112-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25557	PHS MH 26251-02	0.00	0.00	0.00	0.00	0.00	3,065.04-	3,065.04
25558	PHS MH 26251-03	3,043.00-	0.00	3,043.00	0.00	0.00	0.00	0.00
25565	PHS 01-D-000054-01-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25566	PHS 01-D-000054-02-0	39,551.83-	0.00	39,551.83	0.00	0.00	0.00	0.00
25567	PHS NU 00946-03	29,588.34-	0.00	29,588.34	0.00	0.00	0.00	0.00
25568	PHS 01-D-000068-01-0	12,845.03-	0.00	0.00	12,845.03-	0.00	12,845.03	0.00
25571	PHS AH 00793-01	0.00	0.00	0.00	0.00	0.00	3,065.04	3,065.04-
25572	PHS AH 00793-01 SI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25575	PHS HD 08883-02	6,391.91-	0.00	6,391.91	0.00	0.00	0.00	0.00
25576	PHS HD 08883-03	1,037.87-	0.00	1,202.52	164.65	0.00	0.00	164.65-
25581	PHS GM 19763-02	330.27-	0.00	252.60	37.67-	0.00	37.67	0.00
25582	PHS GM 19763-03	15,678.92-	0.00	13,721.45	1,957.47-	0.00	1,957.47	0.00
25583	PHS NS 12255-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25584	PHS NS 12255-02	2,984.00-	0.00	2,584.00	0.00	0.00	0.00	0.00
25585	PHS NS 12255-03	17,461.15-	0.00	14,997.95	2,463.20-	0.00	2,463.20	0.00
25587	PHS GM 21466-02	0.39-	0.00	0.00	0.39-	0.00	0.39	0.00
25588	PHS GM 21466-03	22,600.98-	0.00	22,600.98	0.00	0.00	0.00	0.00
25589	NIH 2 R01 GM21466-04	0.00	50,260.00-	18,397.93	31,862.07-	0.00	31,862.07	0.00
25593	PHS AM 18269-02	56.08-	0.00	0.00	56.08-	0.00	56.08	0.00
25594	PHS AM 18269-03	19,603.60-	0.00	16,741.84	2,861.76-	0.00	2,861.76	0.00



PGM=AA00066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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INDEX 0-25595

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25595	PHS HL 18221-01	39,308.06-	0.00	7,458.71	31,809.35-	0.00	31,809.35	0.00
25598	PHS 01-P-000043-01-0	0.00	0.00	0.00	0.00	0.00	52,073.75-	52,073.75
25601	PHS HL 00048-01	3,470.21-	0.00	3,470.21	0.00	0.00	0.00	0.00
25602	PHS HL 00048-02	61.46	0.00	61.46-	0.00	0.00	0.00	0.00
25603	NIH 5 K04 HL00048-03	62,735.79-	0.00	29,212.44	33,523.35-	0.00	33,523.35	0.00
25604	NIH 5 K04 HL00048-04	0.00	34,236.00-	2,333.11	31,902.89-	0.00	31,902.89	0.00
25605	PHS NS 12509-02	429.52	0.00	429.52-	0.00	0.00	0.00	0.00
25606	PHS NS 12509-03	22,775.15-	3,793.00-	18,163.04	8,405.11-	0.00	8,405.11	0.09
25607	PHS AI 12482-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25608	PHS AI 12482-02	444.76-	0.00	444.76	0.00	0.00	0.00	0.00
25609	PHS AI 12482-03	24,979.49-	0.00	42,739.00	17,759.51	0.00	9,105.33-	8,654.18-
25610	PHS HO 08534-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25611	PHS HO 08534-02	1,087.87-	0.00	1,087.87	0.00	0.00	0.00	0.00
25612	NIH 5 R01 H008534-03	2,576.94	31,883.00-	26,829.95	2,476.11-	0.00	9,087.13	6,611.02-
25613	PHS HL 17752-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25614	PHS HL 17752-02	1,771.95-	0.00	1,771.95	0.00	0.00	0.00	0.00
25615	NIH 5 R01 HL17752-03	32,528.63-	0.00	17,793.08	14,735.55-	0.00	15,278.97	543.42-
25616	PHS AM 17352-01	2,102.42-	0.00	2,102.42	0.00	0.00	0.00	0.00
25617	PHS AM 17352-02	24,020.41-	0.00	24,020.41	0.00	0.00	0.00	0.00
25618	NIH 5 R01 AM17352-03	0.00	37,895.00-	13,889.78	24,005.22-	0.00	24,746.55	741.33-
25619	PHS CA 16969-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25620	PHS CA 16969-02	500.88-	0.00	500.88	0.00	0.00	0.00	0.00
25622	PHS CA 17436-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25623	PHS CA 17436-02	8,791.77-	0.00	8,791.77	0.00	0.00	0.00	0.00
25624	NIH 5 R01 CA17436-03	38,826.43-	0.00	16,727.82	22,098.61-	0.00	22,098.61	0.00
25625	PHS GM 22055-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25626	PHS GM 22055-02	2,502.79-	0.00	2,502.79	0.00	0.00	0.00	0.00
25627	PHS GM 22055-03	17,099.22-	7,526.00-	22,673.70	1,951.52-	0.00	1,951.52	0.00
25628	PHS GM 21260-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25629	PHS GM 21260-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25631	PHS GM 00112-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25632	PHS GM 00112-02	383.51-	0.00	383.51	0.00	0.00	0.00	0.00
25633	NIH 5 K04 GM00112-03	26,359.00-	1,046.00-	27,049.65	355.35-	0.00	355.35	0.00
25634	PHS GM 00129-01	0.45-	0.45-	0.00	0.00	0.00	0.00	0.00
25635	PHS GM 00129-02	1,097.80	0.00	990.88-	106.92	0.00	0.00	106.92-
25636	NIH 5 K04 GM00129-03	64,227.15-	0.00	30,730.81	33,496.34-	0.00	33,496.34	0.00
25637	PHS GM 22583-01	7,825.61-	0.00	7,825.61	0.00	0.00	0.00	0.00
25638	PHS GM 22583-02	2,008.67-	0.00	2,008.67	0.00	0.00	0.00	0.00
25639	NIH 5 R01 GM22583-03	47,805.03-	13,166.00	33,650.20	988.83-	0.00	988.83	0.00
25640	PHS HL 17939-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25641	PHS HL 17939-02	4,139.03	0.00	0.00	4,139.03	0.00	4,139.03-	0.00
25643	PHS NS 00090-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25644	PHS NS 00090-02	3,600.72-	0.00	3,600.72	0.00	0.00	0.00	0.00
25645	NIH 5 K04 NS00090-03	25,391.00-	0.00	20,322.17	5,068.83-	0.00	5,068.83	0.00
25646	PHS MH 25434-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25647	PHS MH 25434-02	15,181.26-	872.00-	11,011.71	5,041.55-	0.00	5,041.55	0.00

PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78

INDEX 0-25649

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25649	PHS AA 02331-01	156.47	156.47-	0.00	0.00	0.00	0.00	0.00
25650	PHS AA 02331-02	27,903.11-	0.00	21,206.88	6,696.23-	0.00	6,696.23	0.00
25651	NIM 5 H84 AA02331-03	0.00	130,855.00-	100,758.82	30,096.18-	0.00	30,096.18	0.00
25652	PHS AH 00019-01	3,047.46-	0.00	1,472.87	1,574.59-	0.00	1,401.08	173.51
25653	PHS AH 00019-02	99,015.17-	0.00	82,698.64	16,316.53-	0.00	16,316.53	0.00
25654	HRA 5 E02 AH00019-03	0.00	153,096.00-	36,072.70	117,023.30-	0.00	117,023.30	0.00
25655	PHS AH 00537-01	8,267.50-	0.00	8,267.50	0.00	0.00	0.00	0.00
25656	PHS AH 00537-02	19,647.84-	0.00	19,647.84	0.00	0.00	0.00	0.00
25657	HRA 2 A03 AH00537-03	0.00	48,534.00-	28,223.69	20,310.31-	0.00	20,310.31	0.00
25658	PHS AH 01449-01	4.00-	0.00	4.00	0.00	0.00	0.00	0.00
25659	PHS AH 01449-02	21,127.27-	0.00	15,305.68	5,821.59-	0.00	5,821.59	0.00
25661	PHS AH 01454-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25662	PHS AH 01454-02	9,088.69-	0.00	6,004.73	3,083.96-	0.00	3,083.96	0.00
25664	PHS AH 01455-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25665	PHS AH 01455-02	15,136.79-	0.00	8,932.76	6,204.03-	0.00	6,204.03	0.00
25666	HRA 5 D04 AH01455-03	0.00	23,157.00-	10,784.82	12,372.18-	0.00	12,372.18	0.00
25667	PHS AH 01456-01	8,751.30-	0.00	8,751.30	0.00	0.00	0.00	0.00
25668	PHS AH 01456-02	9,975.65-	0.00	10,561.63	585.98	0.00	16,670.46	585.98-
25669	HRA 5 D04 AH01456-03	0.00	28,877.00-	12,206.54	16,670.46-	0.00	0.00	0.00
25670	PHS AH 01457-01	28,000.00-	0.00	28,000.00	0.00	0.00	0.00	0.00
25671	PHS AH 01457-02	32,980.21-	0.00	28,547.19	4,433.02-	0.00	4,433.02	0.00
25672	HRA 5 D04 AH01457-03	0.00	30,843.00-	19,061.59	11,781.41-	0.00	11,781.41	0.00
25673	PHS AH 02038-01	0.45	0.45-	0.00	0.00	0.00	0.00	0.00
25674	PHS AH 02038-02	12,886.08-	0.00	11,676.54	1,209.54-	0.00	909.54	300.00
25675	HRA 5 A04 AH02038-03	0.00	73,714.00-	55,533.27	18,180.73-	0.00	18,180.73	0.00
25676	PHS AH 02039-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25677	PHS AH 02039-02	2,057.57-	0.00	2,703.46	645.89	0.00	8,429.32	645.89-
25678	HRA 5 A04-AH02039-03	0.00	21,108.00-	12,678.68	8,429.32-	0.00	14,20-	0.00
25679	PHS AH 02040-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25680	PHS AH 02040-02	5,430.23-	0.00	5,430.23	0.00	0.00	0.00	0.00
25681	HRA 5 A04 AH02040-03	0.00	15,039.00-	13,153.33	1,885.67-	0.00	1,885.67	0.00
25682	PHS DA 01192-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25683	PHS DA 01192-02	15,388.25-	0.00	15,388.25	0.00	0.00	0.00	0.00
25684	ADANHA 5 R01 DA01192-03	0.00	43,231.00-	22,866.73	20,364.27-	0.00	22,808.36	2,444.05-
25685	PHS HD 09442-01	1.76	0.00	0.00	1.76	0.00	0.00	1.76-
25686	PHS HD 09442-02	2,455.28-	0.00	2,455.28	0.00	0.00	0.00	0.00
25687	NIM 5 R01 HD09442-03	1,244.43	27,381.00-	34,599.07	8,462.50	0.00	7,218.07-	1,244.43-
25688	PHS HL 17878-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25689	PHS HL 17878-02	4,012.69	0.00	4,012.69-	0.00	0.00	0.00	0.00
25690	NIM 5 R01 HL17878-03	0.00	37,156.00-	52,987.62	15,831.62	0.00	15,831.62-	0.00
25691	PHS HL 05160-01	2,163.53-	0.00	482.38	1,681.15-	0.00	1,681.15	0.00
25697	PHS AM 18919-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25698	PHS AM 18919-02	1,859.98-	0.00	1,859.98	0.00	0.00	0.00	0.00
25699	PHS AM 18919-03	26,515.98-	0.00	23,458.18	3,057.80-	0.00	3,057.80	0.00
25700	PHS CA 02672-01	0.02-	0.00	0.00	0.02-	0.00	0.02	0.00
25701	PHS CA 02672-02	434.20-	0.00	433.20	1.00-	0.00	1.00	0.00

PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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INDEX Q-25702

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25702 NIH 5 F22 CA02672-03		0.00	3,000.00-	2,527.10	472.90-	0.00	472.90	0.00
25703 PHS AM 19155-01		12,355.45-	0.00	11,265.45	1,090.00-	0.00	1,090.00	0.00
25704 PHS AM 19155-02		24,345.80-	10,695.00-	34,758.69	282.11-	0.00	282.11	0.00
25705 NIH 2 R01 AM19155-03		0.00	102,095.00-	69,037.99	33,057.01-	0.00	33,057.01	0.00
25706 PHS AI 00232-01		4.36-	0.00	0.00	4.36-	0.00	4.36	0.00
25707 PHS AI 00232-02		1,224.04-	0.00	1,291.46	67.42	0.00	0.00	67.42-
25709 PHS HD 09346-01		0.00	0.00	0.00	0.00	0.00	52,073.75-	52,073.75-
25710 PHS HD 09346-02		24,857.36-	0.00	22,628.78	2,268.58-	0.00	2,268.58	0.00
25711 NIH 5 R01 HD09346-03		0.00	59,148.00-	24,658.50	34,489.50-	0.00	34,489.50	0.00
25712 PHS HD 09647-01		1,119.08	0.00	1,119.08-	0.00	0.00	0.00	0.00
25713 PHS HD 09647-02		23,868.32-	2,691.00-	26,559.32	0.00	0.00	2,272.54	2,272.54-
25714 NIH 5 R01 HD09647-03		0.00	37,976.00-	16,523.22	21,452.78-	0.00	21,471.03	18.25-
25715 PHS NS 12970-01		1,133.84-	0.00	1,133.84	0.00	0.00	0.00	0.00
25716 PHS NS 12970-02		25,221.38-	0.00	23,756.86	1,464.52-	0.00	1,464.52	0.00
25718 PHS AI 05019-01		69.92-	0.00	33.58	36.34-	0.00	36.34	0.00
25719 PHS AI 05019-02		1,354.20-	0.00	1,100.25	253.95-	0.00	253.95	0.00
25721 PHS AM 19471-01		775.36-	0.00	775.36	0.00	0.00	0.00	0.00
25722 PHS AM 19471-02		45,754.15-	0.00	45,160.20	593.95-	0.00	593.95	0.00
25723 NIH 5 R01 AM19471-03		0.00	90,279.00-	44,152.68	46,126.32-	0.00	46,126.32	0.00
25724 PHS GM 22877-01		6,114.09-	0.00	6,114.09	0.00	0.00	0.00	0.00
25725 PHS GM 22877-02		39,185.94-	0.00	36,783.42	2,402.52-	0.00	2,402.52	0.00
25726 NIH 5 R01 GM22877-03		0.00	48,449.00-	11,667.15	36,781.85-	0.00	38,262.28	1,480.43-
25727 PHS NS 05046-01		406.91-	0.00	397.61	9.30-	0.00	9.30	0.00
25728 PHS NS 05046-02		1,982.35-	0.00	1,487.46	494.89-	0.00	494.89	0.00
25730 PHS GM 22838-01		7,691.83-	0.00	7,691.83	0.00	0.00	0.00	0.00
25731 PHS GM 22838-02		18,645.45-	0.00	28,015.98	9,370.53	0.00	7,838.60-	1,531.93-
25732 NIH 5 R01 GM22838-03		0.00	33,934.00-	3,588.63	30,345.37-	0.00	30,345.37	0.00
25733 PHS GM 22807-01		2,977.70-	0.00	2,977.70	0.00	0.00	0.00	0.00
25734 NIH 5 R01 GM22807-02		21,168.34-	12,285.00-	32,635.41	817.93-	0.00	817.93	0.00
25735 NIH 5 R01 GM22807-03		0.00	45,065.00-	9,599.67	35,465.33-	0.00	35,465.33	0.00
25736 PHS MH 28006-01		1,333.69-	0.00	1,333.69	0.00	0.00	0.00	0.00
25739 PHS HL 18280-01A1		9,565.85-	0.00	9,565.85	0.00	0.00	0.00	0.00
25740 NIH 5 R01 HL18280-02		49,525.90-	17,646.00-	29,403.99	2,475.91-	0.00	2,475.91	0.00
25741 NIH 5 R01 HL18280-03		0.00	35,466.00-	3,918.74	31,547.26-	0.00	31,547.26	0.00
25742 PHS DE 04383-01		1,131.39-	0.00	1,131.39	0.00	0.00	1,902.08-	1,902.08-
25743 PHS DE 04383-02		15,305.82-	0.00	15,850.59	584.77	0.00	574.77-	10.00-
25745 PHS AM 19392-01		6,703.61-	0.00	6,703.61	0.00	0.00	0.00	0.00
25746 NIH 5 R01 AM19392-02		87,147.81-	27,687.00	55,721.58	3,739.23-	0.00	5,745.89	2,006.66-
25747 NIH 5 R01 AM19392-03		0.00	51,923.00-	2,668.58	49,254.42-	0.00	50,058.96	804.54-
25748 PHS NS 12801-01		9,774.88-	0.00	5,104.00	4,670.88-	0.00	4,670.88	0.00
25749 NIH 5 R01 NS12801-02		33,461.62-	0.00	20,709.58	12,752.04-	0.00	12,752.04	0.00
25750 NIH 5 R01 NS12801-03		0.00	25,107.00-	2,564.77	22,542.23-	0.00	22,542.23	0.00
25751 PHS HD 05310-01		321.67-	0.00	321.67	0.00	0.00	0.00	0.00
25752 NIH 5 F32 HD05310-02		2,976.99-	0.00	2,973.96	3.03-	0.00	3.03	0.00
25757 PHS MH 14388-01		9,436.61-	0.00	9,436.61	0.00	0.00	0.00	0.00
25758 NIH 5 T21 MH14388-02		0.00	0.00	79,776.06	79,776.06	0.00	79,776.06-	0.00



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25759	ADAMHA 5 Y24 MH14388-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25760	PHS GM 00273-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25763	PHS GM 23209-01	3,660.63-	0.00	2,219.31	1,441.32-	0.00	841.32	600.00
25764	NH 5 R01 GM23209-02	79,269.62-	17,076.00-	48,195.88	48,149.74-	0.00	48,149.74	0.00
25765	NH 5 R01 GM23209-03	0.00	0.00	580.94	980.94	0.00	0.00	580.94-
25766	PHS AI 13347-01	5,104.32-	0.00	5,104.32	0.00	0.00	0.00	0.00
25769	PHS MH 28226-01	948.48-	0.00	1,000.88	52.40	0.00	52.40-	0.00
25770	NH 5 R01 MH28226-02	17,275.12-	0.00	15,235.92	2,039.20-	0.00	2,039.20	0.00
25772	PHS N01-CB-64072	85,142.85-	79,250.00-	75,885.14	88,507.71-	0.00	88,507.71	0.00
25775	PHS MH 05217-01	9,019.06-	0.00	2,599.92	6,419.14-	0.00	6,419.14	0.00
25776	NH 5 F32 MH05217-02	0.00	13,400.00-	1,397.76	12,002.24-	0.00	12,002.24	0.00
25778	PHS NU 00217-01	21,728.66-	0.00	21,728.66	0.00	0.00	0.00	0.00
25779	HRA 5 A11 NU00217-02	0.00	26,836.00-	7,806.60	19,029.40-	0.00	10,547.80	8,481.60
25781	PHS AA 05045-01	375.00-	0.00	375.00	0.00	0.00	0.00	0.00
25784	PHS AI 13447-01	20,567.02-	0.00	17,361.53	3,205.49-	0.00	3,205.49	0.00
25785	NH 5 R01 AI13447-02	0.00	36,740.00-	32,235.91	4,504.09-	0.00	5,861.59	1,357.50-
25790	PHS MH 28610-01	2,524.20-	0.00	540.89	309.81-	0.00	309.81	0.00
25793	PHS 01S000006-06	157,607.45-	0.00	2,396.01	128.19-	0.00	128.19	0.00
25794	PHS 01S000006-06(HOSP)	78,149.00	404,261.00-	83,420.20	74,187.25-	0.00	74,187.25	0.00
25795	HRA 5 E03 MB11105-07	0.00	0.00	0.00	326,112.00-	0.00	404,261.00	78,149.00-
25796	PHS CA 15915-04	8,681.14-	0.00	165,424.06	165,424.06	0.00	129,986.89-	35,437.17-
25797	NH 5 R01 CA15915-05	0.00	81,255.00-	62,822.75	19,032.25-	0.00	26,685.02	7,652.77-
25799	PHS HL 20476-01	17,486.25-	0.00	16,877.16	609.09-	0.00	609.09	0.00
25800	NH 5 R01 HL20476-02	0.00	50,076.00-	37,314.03	12,761.97-	0.00	12,761.97	0.00
25802	PHS AM 20059-01	34,946.75-	0.00	34,546.75	0.00	0.00	0.00	0.00
25803	NH 5 R01 AM20059-02	0.00	16,576.00-	9,101.22	7,474.78-	0.00	7,474.78	0.00
25805	PHS MH 28648-01	29,877.14-	0.00	24,143.18	5,733.96-	0.00	5,733.96	0.00
25808	PHS MH 05546-01	763.14-	0.00	763.14	0.00	0.00	0.12	0.12-
25811	PHS NS 05464-01	2,572.79-	0.00	2,114.16	458.63-	0.00	458.63	0.00
25812	NH 5 F32 NS05464-02	0.00	3,000.00-	389.03	2,610.97-	0.00	2,610.97	0.00
25814	PHS GM 19848-04	21,798.75-	13,325.00-	20,494.25	14,629.50-	0.00	14,629.50	0.00
25815	NH 5 R01 GM19848-05	0.00	40,819.00-	21,565.46	19,253.54-	0.00	19,253.54	0.00
25817	PHS DE 03818-04	15,984.13-	0.00	15,385.88	598.25-	0.00	598.25	0.00
25818	NH 5 R01 DE03818-05	0.00	29,424.00-	9,967.14	19,456.86-	0.00	19,456.86	0.00
25820	PHS HL 19038-01	29,622.00-	0.00	29,622.00	0.00	0.00	0.00	0.00
25821	NH 5 R01 HL19038-02	0.00	53,411.00-	24,254.60	29,156.40-	0.00	33,753.52	4,597.12-
25823	PHS MH 29827-01	4,390.00-	20,242.00-	3,857.39	20,774.61-	0.00	20,774.61	0.00
25826	PHS AM 16552-04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25829	PHS GM 21420-04	28,729.28-	0.00	37,408.82	8,679.54	0.00	8,679.54-	0.00
25830	NH 5 R01 GM21420-05	0.00	6,890.00-	0.00	0.00	0.00	0.00	0.00
25832	NH 1 R01 AM20022-01	25,754.94-	0.00	31,777.63	867.31-	0.00	867.31	0.00
25833	NH 5 R01 AM20022-02	0.00	7,290.00-	6,403.37	886.63-	0.00	886.63	0.00
25835	PHS AM 11157-11	1,586.92-	6,825.00-	7,776.52	635.40-	0.00	5,875.57	5,240.17-
25840	NH 5 Y21 MH13740-04	72,546.00-	0.00	69,037.89	3,508.11-	0.00	3,508.11	0.00
25845	NH 5 R01 AI10982-05	33,534.50-	0.00	50,540.85	17,006.35	0.00	9,169.91-	7,836.44-



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
25846	NIH 5 R01 A110982-06	0.00	67,495.00-	11,458.10	56,036.90-	0.00	56,036.90	0.00
25850	NIH 5 R01 GM11071-15	10,569.06	0.00	63,492.27	74,061.33	0.00	46,106.72-	27,954.61-
25851	NIH 5 R01 GM11071-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25855	NIH 7R01 NS14260-01	24,903.00-	6,500.00-	31,379.73	23.27-	0.00	23.27	0.00
25856	NIH 3 R01 NS14260-01S1	0.00	11,255.00-	0.00	11,255.00-	0.00	11,255.00	0.00
25890	NIH 5 R01 HL16952-04	1,428.30	64,744.00-	53,385.46	9,930.24-	0.00	12,859.07	2,928.83-
25891	NIH 5 R01 HL16952-05	0.00	0.00	1,287.86	1,287.86	0.00	0.00	1,287.86-
25895	NIH 1 T32 A107109-01	51,288.00-	0.00	47,071.31	4,210.69-	0.00	4,210.69	0.00
25896	NIH 5 T32 A107109-02	0.00	52,170.00-	0.00	52,170.00-	0.00	52,170.00	0.00
25900	HRA 01L250021-78 8HL83	0.00	8,025.00-	5,175.00	2,850.00-	0.00	2,850.00	0.00
25901	HRA 01L250056-78 8HL84	0.00	436.00-	0.00	436.00-	0.00	436.00	0.00
25930	NIH 5 R01 GM19351-06	50,323.82-	0.00	43,355.94	6,967.88-	0.00	6,967.88	0.00
25931	NIH 2 R01 GM19351-07	0.00	79,177.00-	2,576.74	76,600.26-	0.00	76,600.26	0.00
25935	NIH 1 F32 AM05653-01	0.00	3,000.00-	1,898.59	1,101.41-	0.00	1,101.41	0.00
25936	NIH 5 F32 AM05653-02	0.00	14,200.00-	0.00	14,200.00-	0.00	14,200.00	0.00
25940	NIH 1 T32 GM07473-01	42,815.00-	0.00	34,028.78	8,786.22-	0.00	8,786.22	0.00
25941	NIH 5 T32 GM07473-02	0.00	52,629.00-	0.00	52,629.00-	0.00	52,629.00	0.00
25945	NIH 5 R01 MH26251-04	30,665.77-	0.00	27,622.73	3,043.04-	0.00	3,043.04	0.00
25950	HRA 1 A04 AM02532-01	0.00	40,128.00-	21,070.26	19,057.74-	0.00	19,057.74	0.00
25955	NIH 7 K04 NS00290-03	0.00	30,991.00-	29,760.54	1,230.46-	0.00	1,230.46	0.00
25956	NIH 5 K04 NS00290-04	0.00	33,048.00-	0.00	33,048.00-	0.00	33,048.00	0.00
25960	NIH 2 R01 H006753-04	0.00	49,217.00-	35,292.39	13,924.61-	0.00	13,924.61	0.00
25965	NIH 5 R01 NS12255-04	0.00	34,203.00-	16,696.65	17,506.35-	0.00	17,506.35	0.00
25970	NIH 5 R01 AM18919-04	0.00	90,115.00-	65,555.71	24,559.29-	0.00	34,266.56	0.00
25975	NIH 1 R01 GM25120-01	0.00	86,500.00-	27,239.31	59,260.69-	0.00	59,260.69	0.00
25980	NIH 1 R01 HD11252-01	0.00	41,003.00-	30,063.32	10,939.68-	0.00	10,939.68	0.00
25985	NIH 1 R01 AM21216-01	0.00	41,040.00-	27,833.51	13,206.49-	0.00	13,206.49	0.00
25990	NIH 1 R01 AM20785-01	0.00	48,700.00-	36,012.22	12,687.78-	0.00	12,687.78	0.00
25995	ADAMHA 7 R01 DA02043-01	0.00	25,775.00-	18,045.91	7,729.09-	0.00	7,316.03	413.06
26000	NIH 1 R01 A114049-01	0.00	41,978.00-	17,883.56	24,094.44-	0.00	24,875.84	781.40-
26005	ADAMHA 1 K05 DA00043-01	0.00	21,000.00-	21,534.43	5,465.57-	0.00	5,465.57	0.00
26006	ADAMHA 2 R01 DA02043-02	0.00	28,961.00-	0.00	28,961.00-	0.00	28,961.00	0.00
26010	HSA IPA (H MISER)	0.00	0.00	18,119.38	18,119.38	0.00	6,896.62-	11,222.76-
26015	ADAMHA 1 K02 MH00152-01	0.00	27,567.00-	22,322.84	5,244.16-	0.00	5,244.16	0.00
26020	ADAMHA 1 K02 MH00142-01	0.00	24,721.00-	20,281.55	4,439.45-	0.00	4,439.45	0.00
26025	ADAMHA 7 R01 DA02052-01	0.00	12,721.00-	12,721.00	0.00	0.00	0.00	0.00
26026	ADAMHA 5 R01 DA02052-02	0.00	48,575.00-	3,322.20	45,252.80-	0.00	45,252.80	0.00
26030	NIH 1 K04 AM00375-01	0.00	33,528.00-	0.00	33,528.00-	0.00	33,528.00	0.00
26035	NIH 1 R26 CA21612-01	0.00	49,845.00-	31,477.81	18,367.19-	0.00	18,367.19	0.00
26040	HRA 1 D08 PE11031-01	0.00	59,000.00-	28,038.77	30,961.23-	0.00	30,961.23	0.00
26045	NIH 1 R23 HL21320-01	0.00	37,630.00-	21,015.36	16,614.64-	0.00	16,614.64	0.00
26050	HRA 1 D28 PE11074-01	0.00	209,520.00-	32,508.86	177,011.14-	0.00	177,011.14	0.00
26055	NIH 1 R01 HL21843-01	0.00	107,180.00-	10,022.14	97,157.86-	0.00	97,157.86	0.00
26060	NIH 1 F32 CA06222-01	0.00	3,000.00-	2,976.50	23.50-	0.00	23.50	0.00
26065	NIH 1 R01 DE05123-01	0.00	43,200.00-	21,716.77	21,483.23-	0.00	21,483.23	0.00
26070	ADAMHA 1 R01 MH31897-01	0.00	123,051.00-	36,941.64	86,109.36-	0.00	86,109.36	0.00



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
27855	DE G00-75-00420	25,000.00-	0.00	23,878.82	1,121.18-	0.00	1,121.18	0.00
27857	DE G00-76-02621	2,106.10-	0.00	2,106.10	0.00	0.00	0.00	0.00
27860	DE G00-76-03248	1,863.57-	0.00	1,863.57	0.00	0.00	0.00	0.00
27863	DE G00 76-61220	846.34-	0.00	846.34	0.00	0.00	0.00	0.00
27866	DE G00 76-04199	24,422.77-	0.00	17,320.60	7,102.17-	0.00	7,102.17	0.00
27867	DE G00-76-04199 (FY78)	0.00	81,861.00-	42,782.87	39,078.13-	0.00	39,078.13	0.00
27869	DEG 310-76-00108(492)	9,166.46-	0.00	5,356.74	3,809.72-	0.00	3,809.72	0.00
27872	USOE G00-76-05327	12,610.68-	0.00	12,617.30	6.62	0.00	0.00	6.62-
27873	USOE 310-76-00107 (492)	353.97-	0.00	353.97	0.00	0.00	0.00	0.00
27876	NIE G-76-0084	27,502.50-	0.00	22,231.06	5,271.44-	0.00	5,271.44	0.00
27879	DE G00-70-00092	16,787.40-	0.00	16,787.40	0.00	0.00	0.00	0.00
27882	DE G00-76-62417	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27885	DE G00-77-00541	0.00	82,810.00-	78,478.22	4,331.78-	0.00	4,331.78	0.00
27890	DE G01-77-00324 (YEAR 1)	0.00	120,906.00-	107,832.73	13,073.27-	0.00	13,073.27	0.00
27891	DE G01-77-00324 (YEAR 2)	0.00	0.00	2,023.29	2,023.29	0.00	2,023.29-	0.00
27892	DE G01-77-00324 (YEAR 3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27893	DE G00-77-00971	0.00	42,200.00-	34,261.75	7,938.25-	0.00	7,938.25	0.00
27896	DE G00-77-01847	0.00	43,974.00-	29,082.78	14,891.22-	0.00	14,891.22	0.00
27899	DE G00-77-50477	0.00	3,855.00-	3,855.00	0.00	0.00	0.00	0.00
27902	DE G00-77-03020	0.00	29,411.00-	9,834.16	19,576.84-	0.00	19,576.84	0.00
27905	DE G00-78-01435	0.00	65,000.00-	684.57	64,315.43-	0.00	64,315.43	0.00
27908	DE G00-78-01531	0.00	40,000.00-	0.00	40,000.00-	0.00	40,000.00	0.00
27911	DE P00780279	0.00	9,860.00-	0.00	9,860.00-	0.00	9,860.00	0.00
28032	SEOG-I FY77 (AMHERST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28033	SEOG-R FY77 (AMHERST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28034	SEOG-I FY78 (AMHERST)	0.00	752,861.81-	752,959.81	98.00	0.00	164,871.81	164,969.81-
28035	SEOG-R FY78 (AMHERST)	0.00	733,348.00-	733,493.50	145.50	0.00	0.00	145.50-
28042	SEOG-I FY77 (BOSTON)	0.00	0.00	119.00-	119.00-	0.00	119.00	0.00
28043	SEOG-R FY77 (BOSTON)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28044	SEOG-I FY78 (BOSTON)	0.00	182,653.00-	182,653.00	0.00	0.00	608.00-	608.00
28045	SEOG-R FY78 (BOSTON)	0.00	314,292.00-	314,292.00	0.00	0.00	0.00	0.00
28100	DAG 29-77-G-0095	58,069.75-	0.00	26,076.34	31,993.41-	0.00	19,016.00	12,977.41
28101	DAHC 04-70-C-0043	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28102	DAG 29-77-G-0091	80,948.72-	0.00	31,909.40	49,039.32-	0.00	27,946.00	21,093.32
28103	DAHC 04-70-C-0064	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28104	DAHC 19-72-G0002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28105	DAHC 33-72-M-0950	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28106	DAG 46-77-C-0031	29,690.11-	0.00	29,142.53	547.58-	0.00	1,171.61	624.03-
28107	DAHC 19-77-G-0012	0.00	99,025.00-	36,503.85	62,521.15-	0.00	50,462.00	12,059.15
28108	DAND 17-77-C-7044	0.00	29,415.00-	23,053.93	6,361.07-	0.00	16,973.78	10,612.71-
28109	ARO DAAK60-77-C-0087	0.00	12,193.00-	9,701.80	2,491.20-	0.00	10,252.55	7,761.35-
28110	ARO IPA(R JONEJA)	0.00	7,020.00-	7,189.87	169.87	0.00	1,565.00-	1,395.13
28111	ARO IPA(R WEITZ)	0.00	5,265.00-	7,049.91	1,784.91	0.00	1,565.00-	219.91-
28112	ARO IPA(J MALEYEFF)	0.00	7,020.00-	6,231.67	688.33-	0.00	1,565.00-	2,253.33
28113	ARO DAAK60-78-C-0002	0.00	7,500.00-	4,855.11	2,644.89-	0.00	7,500.00	4,855.11-
28114	ARO IPA(R DAVIS)	0.00	45,000.00-	20,816.78	24,183.22-	0.00	0.00	24,183.22



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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INDEX 0-28115

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
28115	ARO DAAG29-78-C-0077	0.00	32,000.00-	0.00	32,000.00-	0.00	21,332.00	10,668.00
28116	ARO IPA (R GBRIEN)	0.00	3,000.00-	0.00	3,000.00-	0.00	0.00	3,000.00
28118	DA AB 07-71-C-0260	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28119	ARO DAAK60-77-C-0087(GA)	0.00	22,795.00-	6,397.28	16,397.72-	0.00	22,795.00	6,397.28-
28120	DAAG 17-72-G-0003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28124	DA ARO D-31-124-73-G135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28127	CORPS OF ENGR SDIL ANALY	66.90-	0.00	66.90	0.00	0.00	0.00	0.00
28129	DAAK 03-74-C-0230	11,885.15-	0.00	11,885.15	0.00	0.00	11,885.15	11,885.15-
28130	DAAK 03-74-G-0003	1,173.54-	0.00	1,173.54	0.00	0.00	0.00	0.00
28131	DAHC 04-75-C-0020	21,018.58-	0.00	21,018.58	0.00	0.00	2,775.00	2,775.00-
28132	DA 69-00004-R155	5,273.73-	0.00	5,273.73	0.00	0.00	0.00	0.00
28133	DAHC 04-75-G-0073	22,043.33-	0.00	12,211.00	9,832.33-	0.00	0.00	9,832.33
28134	DAAK 03-75-G-0001	5,299.40-	0.00	5,299.40	0.00	0.00	0.00	0.00
28136	DAAG 46-75-C-0052	2,101.11	2,995.40-	0.00	854.29-	0.00	7,894.42	7,000.13-
28137	DAHC-04-75-G-0135	43,504.32-	0.00	26,047.10	17,457.22-	0.00	5,858.00	11,599.22
28138	DAAG 17-75-C-0005	361.57-	0.00	361.57	0.00	0.00	0.00	0.00
28139	DAAG 17-75-C-0017	7,670.34-	0.00	7,137.79	532.55-	0.00	7,670.34	7,137.79-
28141	DAAG 29-76-G-0192	37,869.44-	36,000.00-	32,933.00	40,936.44-	0.00	34,800.00	6,136.44
28142	DAMD 17-76-C-06052	79,492.90-	88,783.00-	80,734.62	87,541.28-	0.00	126,138.15	38,596.87-
28143	DAHC 19-76-G-0013	1,749.69-	0.00	1,749.69	0.00	0.00	0.00	0.00
28144	DAAG 29-76-G-0216	4,298.22-	0.00	3,372.41	925.81-	0.00	3,454.00	2,528.19-
28145	DAAG 29-76-G-0273	41,143.35-	41,478.00-	42,111.17	40,510.18-	0.00	40,768.00	257.82-
28146	DAAG 17-76-C-0039	12,699.45-	43,078.00-	35,513.66	20,263.79-	0.00	31,910.56	11,646.77-
28147	DAAG 29-76-G-0035	8,951.99-	23,940.00-	19,418.66	13,473.33-	0.00	10,174.00	3,299.33
28148	DAAK 60-77-M-0037	214.27-	0.00	214.27	0.00	0.00	0.00	0.00
28149	DAAG 29-77-G-0055	7,786.08-	22,530.00-	20,509.37	9,806.71-	0.00	14,611.00	4,804.29-
28152	N 62399-70-C-0025	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28155	N 00014 67 A 0230 0004	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28156	N 0014-67-A-0230-0005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28175	N00014-75-C-0459	43,466.53-	41,000.00-	44,801.45	39,665.08-	0.00	46,113.08	6,448.00-
28176	N00014-75-C-0686	27,114.97-	35,000.00-	37,473.22	24,641.75-	0.00	31,687.57	7,045.82-
28177	N00014-76-C-0145	12,960.40-	0.00	12,960.40	0.00	0.00	7,154.16	7,154.16-
28178	N00014-76-C-0058	15,828.28-	40,500.00-	50,311.01	6,017.27-	0.00	18,404.41	12,387.14-
28179	N00014-76-C-0700	25,571.54-	30,000.00-	30,075.27	29,496.27-	0.00	43,561.98	14,065.71-
28180	N00014-76-C-0890	15,739.69-	40,000.00-	55,490.48	249.21-	0.00	11,554.86	11,305.65-
28181	N00014-76-C-0993	2,389.43-	18,000.00-	15,929.58	4,459.85-	0.00	9,826.96	5,367.11-
28182	N00014-77-G-0060	0.00	13,000.00-	8,423.68	4,576.32-	0.00	13,000.00	8,423.68-
28183	ONR N00173-78-C-0425	0.00	60,000.00-	4,057.92	55,942.08-	0.00	60,000.00	4,057.92-
28200	AF F19628-71-C-0130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28201	ARPA F19628-72-C-0075	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28208	AFOSR 72-2340	0.42-	0.00	0.42	0.00	0.00	0.00	0.00
28210	AFOSR 74-2601	53,749.10-	0.00	32,391.18	21,357.92-	0.00	0.00	21,357.92
28211	AF-F33601-72-C-0063	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28212	AFOSR 75-2763	5,791.98-	58,129.00-	36,908.58	27,012.40-	0.00	0.00	27,012.40
28213	USAF F19628-76-C-0087	25,784.48-	100,000.00-	93,956.66	31,827.82-	0.00	56,071.58	24,243.76-
28214	AFOSR 76-2983	22,189.97-	50,042.00-	35,506.62	36,325.35-	0.00	11,120.00	25,205.35

PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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INDEX 0-28215

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
28215	AFOSR 77-3287	23,402.55-	36,438.00-	22,673.16	37,167.39-	0.00	18,000.00	19,167.39
28216	AFOSR F33615-77-C-1191	0.00	127,343.00-	62,944.72	64,358.28-	0.00	79,648.03	15,249.75-
28217	AFOSR F49620-78-C-0039	0.00	41,285.00-	18,623.28	22,661.72-	0.00	41,285.00	18,623.28-
28218	AFOSR 78-3491	0.00	16,093.00-	5,599.38	10,493.62-	0.00	8,046.00	2,447.62
28250	DAHC 20-72-C-0138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28254	DCPA 01-76-C-0108	84.42-	0.00	84.42	0.00	0.00	0.00	0.00
28276	DNA F19628-75-C-0187	1,635.68-	75,945.00-	41,075.40	36,505.28-	0.00	52,044.53	15,539.25-
28301	UNIFE PROJECT	29,656.01-	0.00	29,656.01	0.00	0.00	0.00	0.00
28304	AID/TA-G-1112	277,080.01-	0.00	116,259.13	160,820.88-	0.00	62,878.75	97,942.13
28306	AID/518-393	1.93-	0.00	1.93	0.00	0.00	0.00	0.00
28308	AID/TA-C-1249	45.80-	0.00	45.80	0.00	0.00	0.00	0.00
28309	AID/TA-G-1112 (GHANA)	49,560.33	0.00	12,673.62	62,233.95	0.00	0.00	62,233.95-
28310	AID/TA-G-1346	78,999.66-	120,000.00-	64,855.89	134,103.77-	0.00	142,000.00	7,896.23-
28311	DS BECA-1069-787293	0.00	11,380.00-	11,380.00	0.00	0.00	0.00	0.00
28312	DS AID/TA/147-597	0.00	10,000.00-	9,982.64	17.36-	0.00	10,000.00	9,982.64-
28455	WR 8011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28456	WR 8012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28459	WR 8017	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28463	WR 80178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28464	WR 8026	6.28-	0.00	6.28	0.00	0.00	0.00	0.00
28465	WR 8028	240.62-	0.00	240.62	0.00	0.00	0.00	0.00
28466	WR 8029	13,609.76-	0.00	12,570.97	638.79-	0.00	0.00	638.79
28467	WR 8033	27.06-	0.00	27.06	0.00	0.00	0.00	0.00
28468	WR 8036	62.55-	0.00	62.55	0.00	0.00	0.00	0.00
28469	DI 14-31-0001-3377	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28472	DI 14-31-0001-9058	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28473	DI 85FW 14-16-0008-1120	843.37-	0.00	500.00	343.37-	0.00	2,841.69	2,498.32-
28474	DI 85FW 14-16-0005-4588	1.27-	0.00	1.27	0.00	0.00	0.00	0.00
28482	DI FWPCA 17070 DZS	3,075.31	0.00	0.00	3,075.31	0.00	0.00	3,075.31-
28484	USDI EPA SPA WP 267-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28486	USDI 14-16-0008-1149	5,300.27-	0.00	5,300.27	0.00	0.00	0.00	0.00
28487	USDI-GS-14-08-0001-G-134	7,455.47	0.00	7,455.47-	0.00	0.00	0.00	0.00
28489	USDI-NPS-CX-1600-5-0001	2,837.71-	0.00	453.78	2,383.93-	0.00	0.00	2,383.93
28490	USDI-NPS-CX-2000-5-0017A	3.00	0.00	0.00	0.00	0.00	0.00	0.00
28491	USDI-GS-NIE0000A	18.07-	0.00	0.00	0.00	0.00	0.00	0.00
28492	USDI-14-16-0008-921	970.23-	0.00	970.23	0.00	0.00	0.00	0.00
28494	USDI-NPS-CX-1600-5-0006	10,914.13-	0.00	10,423.59	490.54-	0.00	10,860.00	10,369.46-
28495	USDI-14-16-0008-1186	67,968.20-	2,500.00-	64,462.63	6,005.57-	0.00	19,838.01	13,832.44-
28496	USDI-14-31-0001-5261	409.28-	0.00	0.00	409.28-	0.00	0.00	409.28
28497	USDI-14-31-0001-5264	341.08-	0.00	71.20	269.88-	0.00	0.00	269.88
28500	WR-8-038	347.35-	0.00	347.35	0.00	0.00	0.00	0.00
28501	WR-8-043	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28502	WR-8-044	1.89-	0.00	1.89	0.00	0.00	0.00	0.00
28503	WR-8-047	693.73-	0.00	203.58	490.15-	0.00	0.00	490.15
28504	WR-8-050	487.25-	0.00	214.80	272.45-	0.00	0.00	272.45
28505	WR-8-053	40,568.43-	0.00	23,391.77	17,176.66-	0.00	0.00	17,176.66



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
28506	WR-8-058	21,359.08-	0.00	13,847.79	7,511.29-	0.00	3,750.00	3,761.29
28507	WR-8-059	62,411.57-	0.00	29,085.84	33,325.73-	0.00	10,000.00	23,325.73
28508	DI 14-34-0001-8090(8063)	0.00	13,300.00-	11,501.52	1,798.48-	0.00	3,325.00	1,526.52-
28520	USOI-14-34-0001-6215	24,415.26-	0.00	24,015.30	399.96-	0.00	0.00	399.96
28521	USOI-NPS-CX-1600-5-0001	4,572.65-	0.00	2,786.47	1,786.18-	0.00	10,585.00	8,798.82-
28522	USOI NPS-PX-1600-6-0319	2.78-	0.00	2.78	0.00	0.00	0.00	0.00
28523	USOI FWS-14-16-005-6045	565.25-	0.00	565.25	0.00	0.00	0.00	0.00
28524	USOI NPS-1600-6-0018	425.58-	0.00	102.60	322.98-	0.00	11,755.00	11,432.02-
28525	USOI NPS-CX-1600-6-0020	463.59-	0.00	463.59	0.00	0.00	5,930.00-	5,930.00-
28526	USOI NPS-CX-1600-5-1-C04	9,906.37-	0.00	1,747.01	8,159.36-	0.00	0.00	8,159.36
28527	USOI FWS-14-16-0008-2114	2.16-	0.00	2.16	0.00	0.00	0.00	0.00
28528	USOI OMRT-14-34-00017212	26,985.80-	14,196.00-	27,942.22	13,239.58-	0.00	14,196.00	956.42-
28529	USOI NPS-PX-1600-7-0011	184.24-	0.00	184.24	0.00	0.00	0.00	0.00
28530	USOI PO # 55238	1,000.00-	0.00	201.50	798.50-	0.00	0.00	798.50
28531	USOI GS-14-08-0001-G-400	20,772.45-	24,246.00-	36,613.92	8,404.53-	0.00	0.00	8,404.53
28532	USOI NPS-PX-1600-7-0386	2,650.00-	0.00	2,592.54	57.46-	0.00	4,000.00	3,942.54-
28533	DI NPS-CX-1600-7-0019	14,525.29-	0.00	14,198.39	326.90-	0.00	0.00	326.90
28534	DI NPS-CX-1600-7-0017	12,940.57-	1,400.00-	14,300.61	39.96-	0.00	0.00	39.96
28535	DI NPS-PX-5000-7-0859	0.00	3,200.00-	2,502.29	697.71-	0.00	3,200.00	2,502.29-
28536	DI FWS-14-16-0009-77-066	0.00	3,500.00-	3,466.01	33.99-	0.00	158.57	124.58-
28537	DI NPS-CX-1600-7-0031	0.00	5,500.00-	5,398.87	101.13-	0.00	2,500.00	2,358.87-
28538	DI FWS-14-16-009-77-957	0.00	28,194.00-	16,393.16	11,800.84-	0.00	17,371.91	5,571.07-
28539	DI 14-34-0001-7313	0.00	18,425.00-	7,320.96	11,104.04-	0.00	18,425.00	7,320.96-
28540	DI NPS-PX-1750-6-0868	0.00	550.00-	550.00	0.00	0.00	0.00	0.00
28541	DI NPS-PX-1600-8-0131	0.00	2,160.00-	1,730.23	429.77-	0.00	2,160.00	1,730.23-
28542	DI NPS-CX-1600-8-0004	0.00	47,449.00-	22,670.43	24,778.57-	0.00	35,586.75	10,808.18-
28543	DI NPS-CX-1600-8-0003	0.00	40,962.00-	22,101.56	18,860.44-	0.00	31,471.50	12,611.06-
28544	DI NPS-CX-1600-8-0006	0.00	31,000.00-	2,605.34	28,394.66-	0.00	31,000.00	2,605.34-
28552	USDA 12-14-100-10457(81)	430.10-	0.00	160.76	269.34-	0.00	269.34	0.00
28556	USDA FS 23-00-263-54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28557	USDA EXT SVC BEATTIE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28558	USDA 42-00-075	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28561	USOA FS-NE-11	64.30-	0.00	64.30	0.00	0.00	0.00	0.00
28567	USOA ERS 12-17-04-8-790X	620.45-	0.00	620.45	0.00	0.00	0.00	0.00
28572	USOA ERS FPE-X-8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28576	USOA-FS-23-478	1,575.79-	0.00	1,575.79	0.00	0.00	0.00	0.00
28579	USOA-FS-NE-38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28581	USDA-SOTL CONS./WHALEY	4,579.47-	0.00	0.00	4,579.47-	0.00	4,841.87	262.40-
28583	USOA-12-16-1-701	47.26-	0.00	0.00	47.26-	0.00	7,575.77	7,528.51-
28584	USOA-23-591	4,234.59-	0.00	4,234.59	0.00	0.00	0.00	0.00
28585	USOA-510-15-57	3,229.55-	0.00	3,229.55	0.00	0.00	0.00	0.00
28586	USOA FS-23-634	875.60-	0.00	875.60	0.00	0.00	0.00	0.00
28587	USOA FS-23-661	57.38-	0.00	57.38	0.00	0.00	0.00	0.00
28588	USDA-FS-23-668	289.27-	0.00	289.27	0.00	0.00	0.00	0.00
28589	USOA FS-23-00-408	3,103.99-	0.00	3,103.99	0.00	0.00	0.00	0.00
28590	USOA FS-23-749	3,000.00-	0.00	0.00	3,000.00-	0.00	3,000.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
28591	USDA FS-23-756	294.21-	0.00	259.01	35.20-	0.00	87.95	52.75-
28592	USDA FS-23-757	7,410.27-	0.00	7,158.35	251.92-	0.00	419.93	168.01-
28593	USDA ARS-HIGH DENSITY OR	20,000.00-	0.00	4,689.85	15,310.15-	0.00	16,909.47	1,599.32-
28594	USDA ARS-CONTROL WEEDS	4,586.13-	0.00	4,498.10	88.03-	0.00	2,040.28	1,952.25-
28595	USDA CRS-616-15-166	64,804.93-	0.00	29,602.38	35,202.55-	0.00	42,000.00	6,797.45-
28596	USDA CRS-616-15-175	58,230.12-	0.00	20,522.02	37,708.10-	0.00	42,000.00	4,291.90-
28597	USDA SOIL CONSERVATION	26,149.97-	0.00	13,250.16	12,899.81-	0.00	13,081.81	182.00-
28598	USDA FS-23-792	174.15-	0.00	174.15	0.00	0.00	0.00	0.00
28599	USDA FS-23-795	232.80-	0.00	232.80	0.00	0.00	0.00	0.00
28600	USDA ARS (K HAYES)	12,645.03-	0.00	3,075.43	9,569.60-	0.00	9,989.27	419.67-
28601	USDA AG25-SCS-00223	6,233.69-	5,000.00-	11,226.05	7.64-	0.00	303.88	296.24-
28602	USDA FS-23-896	13,900.00-	0.00	2,747.58	11,152.42-	0.00	11,849.31	656.89-
28603	USDA CRS-701-15-50	44,000.00-	0.00	5,527.08	38,472.92-	0.00	41,000.00	2,527.08-
28604	USDA FS-23-922	0.00	7,950.00-	3,714.80	4,235.20-	0.00	5,712.00	1,476.80-
28605	USDA CRS-701-15-115	0.00	10,666.00-	0.00	10,666.00-	0.00	10,666.00	0.00
28606	USDA FS-23-980	0.00	20,000.00-	7,730.23	12,269.77-	0.00	15,346.89	3,077.12-
28607	USDA FS-12-77	0.00	6,000.00-	3,802.55	2,197.45-	0.00	6,000.00	3,802.55-
28608	USDA	0.00	32,400.00-	21,447.01	10,952.99-	0.00	21,700.00	10,747.01-
28609	USDA ARS-12-14-1001-1205	0.00	5,000.00-	2,305.78	2,694.22-	0.00	3,755.93	1,061.71-
28610	USDA FS-23-00-263	0.00	2,500.00-	0.00	2,500.00-	0.00	2,500.00	0.00
28611	USDA FS-23-024	0.00	1,000.00-	0.00	1,000.00-	0.00	1,000.00	0.00
28650	DC NBS 3-9002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28651	USDC NOAA-04-3-158-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28652	USDC NBS 3-35965	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28653	USDC NBS 3-35998	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28654	USDC ABLE 2-37251	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28655	USDC ABLE 2-37251-ATLANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28656	USDC ABLE 2-37251-HOWARD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28657	USDC ABLE 2-37251-NYUNIV	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28658	USDC ABLE 2-37251-SYRACU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28659	USDC ABLE 2-37251-U-MASS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28663	USDC-NBS-EAGAN	78.08	0.00	78.08-	0.00	0.00	0.00	0.00
28665	USDC NOAA-03-6-022-35113	1,050.16-	0.00	0.00	1,050.16-	0.00	15,000.00	13,949.84-
28666	USDC NOAA-04-6-022-44028	16,759.13-	0.00	16,759.13	0.00	0.00	0.00	0.00
28667	USDC NBS-G7-9010	18,081.59-	9,500.00-	8,540.32	41.27-	0.00	4,750.00	4,708.73-
28668	USDC EDA-01-6-01529	100,000.00-	0.00	77,169.75	22,830.25-	0.00	69,811.00	46,980.75-
28669	USDC NBS-G7-9010 (CHIEN)	0.00	9,500.00-	9,179.98	320.02-	0.00	4,750.00	4,429.98-
28670	USDC NOAA-03-7-043-35164	0.00	5,000.00-	3,163.29	1,836.71-	0.00	5,000.00	3,163.29-
28671	USDC 03-78-D01-37	0.00	6,000.00-	250.00	5,750.00-	0.00	6,000.00	250.00-
28705	USDL-91-25-75-39	384.59-	0.00	384.59	0.00	0.00	0.00	0.00
28706	USDL 91-25-75-41	6,663.87-	0.00	3,169.45	3,494.42-	0.00	2,109.00	1,385.42
28707	USDL 21-55-77-05	48,311.21-	77,571.00-	59,105.97	66,776.24-	0.00	46,243.00	20,533.24
28708	USDL 21-25-77-05 CAL	38,299.00-	0.00	29,757.64	8,541.36-	0.00	38,299.00	29,757.64-
28709	DDL CETA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28750	BOSTON URBAN OBSERVATORY	122,230.12-	81,462.00-	21,167.18	182,524.94-	0.00	191,635.75	9,110.81-
28751	HUD-H-2312	320.44-	0.00	320.44	0.00	0.00	0.00	0.00

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INDEX 0-28801

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
28801	MASS DMG-6	310.30-	0.00	0.00	310.30-	0.00	191,950.00	191,639.70-
28802	DUT OS-50227	2,510.91-	0.00	1,081.30	1,429.61-	0.00	22,033.00	20,603.39-
28851	AEC AT (11-1) 3329	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28852	AEC AT (11-1) 3330	79,892.90-	132,000.00-	125,850.69	86,042.21-	0.00	72,600.00	13,442.21
28853	AEC AT (11-1) 3330 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28855	AEC AT (11-1)-3024	11,984.53	0.00	0.00	11,984.53	0.00	0.00	11,984.53-
28856	AEC AT (11-1) 2261	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28857	AT(11-1) 2545	33,862.33-	0.00	27,102.98	6,759.35-	0.00	15,887.53	9,128.18-
28858	AT(11-1) 3330	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28859	ERDA E(11-1)-2853	50,594.62-	75,000.00-	67,585.05	58,009.57-	0.00	41,250.00	16,759.57
28860	ERDA (49-18) 2365	4,251.13-	0.00	4,251.13	0.00	0.00	14,997.50	14,997.50-
28861	ERDA WA-76-4523	256.93-	0.00	0.00	296.93-	0.00	2,500.00	2,203.07-
28862	ERDA (11-1) 4122	71,074.25-	0.00	34,064.04	37,010.21-	0.00	7,590.00	29,020.21
28863	ERDA EG-77-S-02-4238	150,807.94-	88,875.00-	119,027.40	120,655.54-	0.00	95,786.10	24,869.44
28864	ERDA EE-77-S-02-4320	96,868.00-	0.00	56,152.49	40,715.51-	0.00	9,700.00	31,015.51
28865	ERDA EG-77-S-02-4471	0.00	9,760.00-	2,625.33	7,134.67-	0.00	7,052.00-	14,186.67
28866	ERDA EE-77-X-01-3607	0.00	6,480.00-	6,960.00	480.00	0.00	0.00	480.00-
28867	ERDA EG-77X-01-3556	0.00	2,700.00-	2,500.00	200.00	0.00	2,700.00-	2,900.00-
28868	DE EU-78-C-01-6196	0.00	20,815.00-	731.02	20,083.98-	0.00	20,815.00	731.02-
28869	ERDA EG-77-S-02-4471/CAN	0.00	27,600.00-	0.00	27,600.00-	0.00	27,600.00	0.00
28903	NGR 22 010 018	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28904	NGR 22 010 023	18,961.48-	49,950.00-	47,818.14	21,093.34-	0.00	25,914.00	4,820.66-
28905	NGR-22 010 025	2,639.07-	40.00-	2,679.07	0.00	0.00	0.00	0.00
28911	NASA NGL 22-010-076	43,654.17-	40,937.00-	31,769.69	52,821.48-	0.00	55,414.00	2,592.52-
28912	NASA 22-010-045/AMHERST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28913	NGR 22-010-089	25,030.34-	49,700.00-	28,516.46	46,213.88-	0.00	46,700.00	486.12-
28915	NASA NAS 2-9129	11,673.83-	0.00	3,601.21	8,072.62-	0.00	8,657.31	584.69-
28916	NASA	0.00	34,868.00-	22,283.96	12,584.04-	0.00	10,868.00	1,716.04
28917	NASA NAS1-15162	0.00	4,640.00-	1,651.83	2,988.17-	0.00	2,990.57	2.40-
28918	NASA NSG-7397	0.00	15,993.00-	14,785.85	5,207.15-	0.00	5,995.00	787.85-
28919	NASA NSG-9069	0.00	21,707.00-	1,573.71	19,733.29-	0.00	21,707.00	1,973.71-
28950	ENDOWMENT FOR HUMANITIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28952	NEH ES-5292-73-97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28956	NEH ES-5990-72-118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28957	NEH FS 9488-73-331	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28960	NEH RO-20505-74-552	428.69-	0.00	428.69	0.00	0.00	437.00-	437.00-
28961	NEH-20134-74-567	1,471.40-	0.00	1,471.40	0.00	0.00	0.00	0.00
28962	NEH ES-21039-75-103	36.78-	0.00	36.78	0.00	0.00	0.00	0.00
28966	NEH RC-20578-75-482	30,548.55-	0.00	30,786.59	238.04	0.00	4,442.00	4,680.04-
28968	NEA R50-42-86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28969	NEH E1-23051-75-545	60,621.23-	0.00	41,493.95	19,127.28-	0.00	19,126.00	1.28
28971	NEH FR-23536-76-97	5,226.18-	0.00	5,226.18	0.00	0.00	0.00	0.00
28972	NEA R60-53-195	335.20-	0.00	335.20	0.00	0.00	0.00	0.00
28973	NEH RT-24508-76-292	9,398.43-	0.00	7,635.14	1,763.29-	0.00	0.00	1,763.25
28974	NEH ES-25448-76-423	20,132.85-	0.00	14,620.45	5,512.40-	0.00	14,270.00	8,757.60-
28975	NEH RC-23873-76-447	34,579.82-	0.00	14,065.54	20,514.28-	0.00	21,615.00	1,100.72-



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
28976	NEA R60-52-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28977	NEH RS-23749-76-857	26,674.77	0.00	26,674.77	0.00	0.00	997.00	997.00-
28978	NEH RE-25226-76-654	13,944.73	0.00	11,207.19	2,737.54-	0.00	2,558.00	179.54
28979	NEH ES-25591-76-1116	8,771.44-	0.00	3,467.55	5,303.89-	0.00	1,436.00	3,867.89
28980	NEH FS-26538-77-181	23,820.07-	0.00	23,820.07	0.00	0.00	0.00	0.00
28981	NEA R70-53-309	10,000.00-	0.00	9,586.04	13.96-	0.00	5,917.00	5,903.04-
28982	NEH EP-27367-77-383	47,752.00-	0.00	45,719.41	2,032.59-	0.00	25,752.00	27,719.41-
28983	NEA R70-20-357	0.00	10,000.00-	7,095.00	2,905.00-	0.00	10,000.00	7,095.00-
28984	NEA R-70-41-411C	0.00	450.00	450.00	0.00	0.00	0.00	0.00
28985	NEH RE-27286-78-42	0.00	16,935.00-	10,551.55	6,383.45-	0.00	3,435.00	2,948.45
28986	NEA R80-41-18C	0.00	1,500.00-	750.00	750.00-	0.00	1,500.00	750.00-
28987	NEA R80-53-216	0.00	10,000.00-	1,828.23	8,171.77-	0.00	10,000.00	1,828.23-
28988	NEH ES-28335-78-525	0.00	69,346.00-	8,543.42	60,802.58-	0.00	69,346.00	8,543.42-
28989	NEH RC-30931-78-372	0.00	58,581.00-	3,772.44	54,808.56-	0.00	58,581.00	3,772.44-
28990	NEA R80-41-155	0.00	10,580.00-	0.00	10,580.00-	0.00	10,580.00	0.00
28991	NEH EN-32487-78-865	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29000	EPA 16030-0V8-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29006	EPA T-900179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29012	EPA R-803069-01	11,490.12	12,458.00-	3,923.49	2,955.61	0.00	979.94	3,935.55-
29013	EPA-T-900217-05	0.32-	0.52-	0.84	0.00	0.00	0.00	0.00
29014	EPA-R-803146-01-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29015	EPA-68-01-3230	526.71-	0.00	526.71	0.00	0.00	0.00	0.00
29017	EPA-ASSIGNMENT-AGGERHOLM	12,594.97-	0.00	12,594.97	0.00	0.00	0.00	0.00
29018	EPA R-803712-02	295.27-	0.00	295.27	0.00	0.00	0.00	0.00
29019	EPA U-910625-01-0	670.00-	0.00	670.00	0.00	0.00	0.00	0.00
29020	EPA R-804970-01	10,534.70-	0.00	10,534.70	0.00	0.00	0.00	0.00
29021	EPA 68-03-1200	10,795.88-	0.00	8,756.66	2,039.22-	0.00	0.00	2,039.22
29022	EPA R-805169-01	45,863.33-	0.00	43,077.48	2,785.85-	0.00	8,209.00	5,423.15-
29023	EPA R-803712-03	0.00	21,300.00-	15,061.66	6,238.34-	0.00	9,730.00	3,451.66-
29024	EPA R-805244-01	0.00	24,145.00-	5,618.63	18,526.37-	0.00	23,013.00	4,486.63-
29025	EPA 68-03-1281	0.00	9,984.00-	4,964.51	5,019.49-	0.00	0.00	5,019.49
29026	EPA R-805638-01	0.00	31,386.00-	22,357.92	9,028.08-	0.00	16,296.00	7,267.92-
29027	EPA R-805557-01	0.00	52,479.00-	25,352.84	27,086.16-	0.00	32,585.00	5,498.84-
29028	EPA ASSIGNMENT(W ROSEN)	0.00	14,744.00-	10,824.78	3,919.22-	0.00	10,964.94	7,045.72-
29029	EPA R-805612-01	0.00	112,339.00-	18,317.09	94,021.91-	0.00	112,339.00	18,317.09-
29030	EPA ASSIGNMENT(TUTHILL)	0.00	27,013.56-	0.00	27,013.56-	0.00	27,013.56	0.00
29031	EPA R-805169-02	0.00	49,883.00-	3,632.38	46,250.62-	0.00	49,883.00	3,632.38-
29150	ACTION 72-42015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29152	ACTION 72-47004/2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29153	U YR FOR ACT 72-47009/2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29154	ACTION 73-47004A/3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29155	ACTION 73-00-047-00048/2	3,771.27	3,771.27-	0.00	0.00	0.00	0.00	0.00
29156	ACTION 73-047-0004A/3	756.00-	0.00	756.00	0.00	0.00	0.00	0.00
29157	ACTION 73-047-0004A/4	26,293.99-	0.00	4,501.85	21,392.14-	0.00	11,716.08	9,676.06
29158	ACTION 147-0004A/4	5,439.38-	0.00	5,439.38	0.00	0.00	0.00	0.00
29159	ACTION 447-1203/5	45,555.84-	0.00	45,555.84	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
29161	ACTION 337-1301	2,372.41-	0.00	2,372.41	0.00	0.00	0.00	0.00
29162	ACTION 447-1307/5	45,566.37-	4,901.85-	54,468.22	0.00	0.00	0.00	0.00
29163	ACTION 447-1301-05	43,748.42-	0.00	43,748.42	0.00	0.00	0.00	0.00
29164	ACTION 76-043-1040	6,974.72-	0.00	204.80	6,769.92-	0.00	8,413.35	1,643.43-
29165	ACTION 497-3139	0.00	6,320.00-	4,618.93	1,701.07-	0.00	4,740.00	3,038.53-
29166	ACTION 77-99-659-712	0.00	6,826.00-	3,258.59	3,567.41-	0.00	5,120.00	1,552.59-
29170	ACTION 73-043-0073	88.64-	0.00	88.64	0.00	0.00	16,445.40	16,445.40-
29203	SDA 0506-MA-77	255.68-	0.00	255.68	0.00	0.00	0.00	0.00
29204	SBA 1013-MA-78	0.00	5,000.00-	3,637.55	1,362.45-	0.00	2,500.00	1,137.55-
29210	VA V301V-2492	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29220	US CIVIL SERVICE-76MA10	2,091.77-	0.00	2,091.77	0.00	0.00	0.00	0.00
29221	CSC (G SULZNER)	0.00	28,031.51-	24,586.06	3,045.45-	0.00	15,264.35	12,218.90-
29230	GAD (D NAVON)	0.00	36,400.00-	35,372.42	1,027.58-	0.00	17,719.24	16,691.66-
29240	NAS/NCHRP HR-20-15	119,006.43-	0.00	78,508.92	40,497.51-	0.00	62,165.94	21,668.43-
29241	NHPRC 77-27	26,038.34-	0.00	26,038.34	0.00	0.00	0.00	0.00
29242	GSA NHPRC-78-11	0.00	16,165.00-	0.00	16,165.00-	0.00	0.00	16,165.00
29243	GSA NHPRC-78-26	0.00	30,000.00-	18,344.90	11,655.10-	0.00	0.00	11,655.10
29257	BHE IMPACT (TITLE 1)	3,756.68-	0.00	0.00	3,756.68-	0.00	7,009.20	3,252.52-
29273	MASS DEPT CORRECTION	63.70-	0.00	0.00	63.70-	0.00	16,806.81	16,743.11-
29278	MA DEPT YOUTH SERVS #3	185,334.73-	0.00	0.00	185,334.73-	0.00	203,596.93	18,262.20-
29298	MA WATER POL/PLANT INVES	5.18-	0.00	5.18	0.00	0.00	0.00	0.00
29299	MA WATER POL/HEAVY METAL	7.75-	0.00	7.75	0.00	0.00	0.00	0.00
29300	MA WATER POL/SLUDGE HNOG	305.54-	0.00	0.00	305.54-	0.00	0.00	305.54
29303	BHE TITLE I 72-026-013	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29304	BHE TITLE I 72-024-012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29305	MA DIV FISH AND GAME	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29306	TITLE I 70-025-012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29307	BHE 72-025-007	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29312	MA OPW/ENVIRONMENT STUDY	2,420.21-	0.00	2,420.21	0.00	0.00	0.00	0.00
29313	MA DPW/TRANSPORT PLAN	1,983.98-	0.00	1,583.98	0.00	0.00	0.00	0.00
29316	MOC/BERGER	1,065.95-	0.00	0.00	1,065.95-	0.00	0.00	1,065.95
29317	MA DEPT NAT RES/LUEDTKE	1,644.53-	0.00	0.00	1,644.53-	0.00	18,617.00	16,972.47-
29318	MA PUB WELFARE/OLLEY #2	2,096.28-	0.00	2,096.28	0.00	0.00	0.00	0.00
29319	BHE 74 024 007	1,958.03-	0.00	0.00	1,958.03-	0.00	19,345.00	17,386.97-
29322	MA DEPT ED/CONS & HOME	35.23-	0.00	35.23	0.00	0.00	0.00	0.00
29323	MA OFF OF GOV/WHALEY	150.51-	0.00	150.51	0.00	0.00	0.00	0.00
29325	MA COMM AFF/CCRS/NERBE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29328	MA DCA / IME	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29329	MA ED/HOME EC CURR	2,248.39-	0.00	2,248.39	0.00	0.00	0.00	0.00
29336	MA ED/MIN P D URBAN 73	8,804.24	0.00	0.00	8,804.24	0.00	0.00	8,804.24-
29337	MA ED/MIN PD URBAN 74	103.00-	0.00	0.00	103.00-	0.00	0.00	103.00
29339	MA DMH/ARTS RES TEAM	41.69-	0.00	0.00	41.69-	0.00	0.00	41.69
29344	MA FISH & GAME/ODDGE	166.54-	15,000.00-	12,860.06	10,306.48-	0.00	0.00	10,306.48
29345	MA ED/CH-2175/GREEN	136.04-	0.00	136.04	0.00	0.00	0.00	0.00
29348	MA REHAB COM/SURVIVAL WK	1,053.13-	0.00	0.00	1,053.13-	0.00	0.00	1,053.13
29349	MA DEPT CORR FY/75	1,594.95-	0.00	950.63	644.32-	0.00	101,079.61	100,435.29-



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
29350	MA COMMEDEVELOP #2	4,661.67	0.00	56.00-	4,605.67	0.00	0.00	4,605.67-
29351	MA ED/CABAN #1	43.70-	0.00	0.00	43.70-	0.00	100.00	56.30-
29358	MA ED/C & H EPDA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29360	MA MDC/IME #2	2,976.46-	0.00	2,976.46	0.00	0.00	0.00	0.00
29361	STREPTO 1975-76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29363	CONFERENCE ACCT (5-29354)	1,483.45-	872.88-	1,532.94	823.39-	0.00	0.00	823.39
29365	MA MARINE FISH/MARTIN	172.99-	0.00	123.51	49.48-	0.00	0.00	49.48
29366	MA/DYS/DVE/#4	5,425.46-	0.00	0.00	5,425.46-	0.00	2,572.64	2,852.82
29367	MA EDEA/IME #9	141.97-	0.00	141.97	0.00	0.00	0.00	0.00
29369	DAP-FRANKLIN COMM ACTION	51,632.66-	0.00	0.00	51,632.66-	0.00	48,207.43	3,425.23
29370	DAP--MA COMMUNITY SERVICE	0.00	0.00	0.00	0.00	0.00	8,000.00	7,010.19-
29371	BHE 75-024-010	989.81-	0.00	0.00	989.81-	0.00	0.00	128.95
29372	MA OFF GOV/BASE CONV/S8A	128.95-	0.00	0.00	128.95-	0.00	0.00	0.00
29374	MA EDEA/IME/#12	837.65-	0.00	837.65	0.00	0.00	0.00	0.00
29377	MA DCA/IME FY76	91.74	0.00	91.74-	0.00	0.00	0.00	0.00
29378	MA DEPT OF PUBLIC HEALTH	297.62-	0.00	297.62	0.00	0.00	0.00	0.00
29379	MA ED CH-5876 FY76	11,663.19-	0.00	11,695.83	32.64	0.00	0.00	32.64-
29380	MA ED CH-5976 FY76	19,375.60-	0.00	19,375.60	3.00-	0.00	0.00	3.00
29381	MA ED CH-6076 FY76	4,884.77-	0.00	4,813.14	71.63-	0.00	0.00	71.63
29382	MA OYS TLC FY76	14,840.05-	0.00	0.00	14,840.05-	0.00	31,149.00	16,308.95-
29383	MA ED T.T.-1876	80.16-	0.00	80.16	0.00	0.00	0.00	0.00
29384	MA ED T.T.-1876A (CEH)	20.97-	0.00	20.97	0.00	0.00	0.00	0.00
29385	MA SENATE WAYS AND MEANS	15.00-	0.00	0.00	15.00-	0.00	0.00	15.00
29387	MA ED/D-20276 A	1,144.68	0.00	146.05-	998.63	0.00	0.00	998.63-
29388	MA ED/D-20276 B	146.05-	0.00	146.05	0.00	0.00	0.00	0.00
29389	MA EDUCATIONAL AFFAIRS	3,933.80-	0.00	0.00	3,933.80-	0.00	3,933.80	0.00
29390	MA ONR/PARKER RIVER #2	31.94-	0.00	0.00	31.94-	0.00	0.00	31.94
29391	MA IPA/#5/ FY76	22,748.59-	0.00	22,748.59	0.00	0.00	0.00	0.00
29393	MA ELDER AFFAIRS	6.59-	0.00	0.00	6.59-	0.00	0.00	6.59
29394	MA DEPT OF ELDER AFFAIRS	1,088.67-	0.00	269.50	819.17-	0.00	480.00	339.17
29395	MA ED C-4676 (REG)	212.25-	0.00	212.25	0.00	0.00	0.00	0.00
29396	MA ED C-4676 (UR)	354.88-	0.00	354.88	0.00	0.00	0.00	0.00
29397	MA COMMERCE & DEVELOP #3	25,596.75-	25,000.00-	28,582.15	22,014.60-	0.00	12,501.00	9,513.60
29398	MA ED FNS-2	1,844.86-	0.00	1,844.86	0.00	0.00	0.00	0.00
29399	BELCHERTOWN STATE SCHOOL	19,525.74-	0.00	19,525.74	0.00	0.00	0.00	0.00
29400	MCANSON STATE HOSPITAL	11,540.65-	0.00	11,540.65	0.00	0.00	0.00	0.00
29401	MA DCA (CCRS FY77)	4,770.13-	0.00	8,970.13	0.00	0.00	0.00	0.00
29402	MA OPH(STREPTO LA8 FY77)	11,120.10	4,200.00-	808.06	0.00	0.00	0.00	0.00
29403	MA DMH (GUTTENTAG)	2,089.72	11,928.16-	1,054.64	3,144.36	0.00	0.00	3,144.36-
29404	MA DYS (TLC FY77)	6,444.40-	0.00	541.82	5,902.58-	0.00	14,400.00	8,497.42-
29405	MA DYS (MARY PGM FY77)	85,892.22-	0.00	12,050.91	73,841.31-	0.00	117,016.32	43,175.01-
29406	MA DYS (ADHP #5 FY77)	69,218.35-	0.00	58,627.35	10,591.00-	0.00	73,658.13	63,067.13-
29407	MA DEPT OF CORRECTION	984.91-	0.00	0.00	984.91-	0.00	12,332.00	11,347.09-
29408	BELCHERTOWN STATE SCHOOL	129,443.55-	0.00	109,443.55	20,000.00-	0.00	15,493.35	4,506.65
29409	MONSON STATE HOSPITAL	156,407.69-	0.00	109,558.72	46,448.97-	0.00	46,448.97	0.00
29410	MA DEPT/PUBLIC WELFARE	7,179.90-	0.00	0.00	7,179.90-	0.00	9,527.92	2,348.02-

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
29411	MA SENATE WAYS & MEANS	40,628.23-	0.00	39,205.46	1,422.77-	0.00	0.00	1,422.77
29412	MA STATE COLLEGE SYSTEM	19,320.00-	0.00	0.00	19,320.00-	0.00	19,320.00	0.00
29413	MA DEPT OF ED (MA-FNS-3)	60,402.65-	0.00	21,116.54	39,286.11-	0.00	0.00	39,286.11
29414	MA ED (TT-3276)	343.78-	0.00	343.78	0.00	0.00	0.00	0.00
29415	MA ED (TT LEA FY77)	24,858.04-	0.00	24,280.65	577.39-	0.00	0.00	577.39
29416	MA DWPC (PILOT PLANT)	118,547.19-	0.00	58,844.40	59,702.79-	0.00	112,187.78	52,484.99-
29417	MA DWPC (POLLUTION LOAD)	84,897.94-	0.00	28,948.87	55,949.07-	0.00	31,718.75	24,230.32
29418	MA DWPC (WATER QUALITY)	53,611.09-	0.00	15,498.19	38,112.90-	0.00	23,731.50	14,381.40
29419	MA ED CH-3177	3,916.61-	0.00	3,516.61	0.00	0.00	0.00	0.00
29420	MA ED D-10577	53,597.16-	0.00	53,569.84	27.32-	0.00	0.00	27.32
29421	MA DMH/RE-ENTRY	6.40-	0.00	6.40	0.00	0.00	0.00	0.00
29423	MA DMH/MA DPH - CDS	34,605.19-	0.00	24,409.00	10,196.19-	0.00	27,305.46	17,109.27-
29424	MA DMH - PHARMACY SERVICE	13,469.30-	0.00	13,469.30	0.00	0.00	0.00	0.00
29425	MA DMH (LIFT PROGRAM)	346.97-	0.00	58.60	288.37-	0.00	0.00	288.37
29426	MA ED S-5877	17,313.21-	0.00	16,096.67	1,216.54-	0.00	0.00	1,216.54
29428	MA HISTORICAL COMMISSION	2,092.81-	0.00	2,092.81	0.00	0.00	0.00	0.00
29428	MA ED D-77-008-09A	21,217.76-	0.00	10,277.31	10,940.45-	0.00	0.00	10,940.45
29429	MA ELDER AFFAIRS	1,198.90-	0.00	1,198.90	0.00	0.00	0.00	0.00
29430	MA DPH/FY77 FELLOWSHIPS)	1,425.79-	0.00	1,425.79	0.00	0.00	0.00	0.00
29431	MA DPH (R GIGLIO)	6,323.46-	0.00	6,323.46	0.00	0.00	0.00	0.00
29432	MA ED D-11277	13,647.78-	0.00	13,647.78	0.00	0.00	0.00	0.00
29433	MA ED TT-1477(P/8 ANC)	20,364.25-	0.00	18,890.08	1,474.17-	0.00	0.00	1,474.17
29434	MA DNR/PARKER RIVER FY77	3,689.44-	0.00	3,645.22	44.22-	0.00	0.00	44.22
29436	MA DES (G TREY2)	2,067.66-	0.00	2,067.66	0.10-	0.00	0.00	0.00
29437	MA DPH/PONDVILLE HOSP	274.20-	0.00	1,327.50	1,053.30	0.00	0.00	1,053.30-
29438	MA ED D-11177	99,867.37-	0.00	90,673.34	9,194.03-	0.00	10.00-	9,204.03
29439	MA EDAF 76-923-2	10,435.29-	0.00	0.00	10,435.29-	0.00	10,480.00	44.71-
29440	MA IPA #6 FY77	65,993.49-	22,716.85-	90,873.54	2,161.20	0.00	6,149.32	8,310.52-
29441	MA ED TT-1677	70.88	0.00	70.88	0.00	0.00	0.00	0.00
29442	MA DPH LIFT-FY77	20,352.02-	0.00	21,179.47	827.45	0.00	32.16	859.61-
29443	MA DES-25705417-004	3,346.62-	0.00	3,346.62	0.00	0.00	0.00	0.00
29444	MA EDEA-LEG INTERNSHIP	813.75-	0.00	315.00	498.75-	0.00	0.00	498.75
29445	MA ED (CAREER ED PROJ)	8,665.04-	0.00	8,665.04	0.00	0.00	0.00	0.00
29446	MA CORR-MCI MEDFIELD PJ	8,480.65-	0.00	534.01	7,946.64-	0.00	17,750.00	9,803.36-
29447	MA EOMAECON MODEL PROJ)	27.95-	5,000.00-	1,230.05	3,797.90-	0.00	5,000.00	1,202.10-
29448	MA DPH (G TREY2)	3,546.41-	3,500.00-	7,046.38	0.03-	0.00	3,500.00	3,499.97-
29449	MA DPH(STREPTO LAB FY78)	0.00	29,696.60-	35,616.31	5,919.71	0.00	0.00	5,919.71-
29450	MA DPH/NORTHAMPTON HOSP	167,780.76-	0.00	101,834.52	65,946.24-	0.00	0.00	65,946.24
29451	MA DMH (CRA PGM)	4,536.00-	0.00	3,488.00	1,048.00-	0.00	15,000.00	13,952.00-
29452	MA DPH (SHELTER PGM)	46,082.60-	0.00	0.00	46,082.60-	0.00	46,082.60	0.00
29453	MA ED G-677	109,261.79-	0.00	47,279.30	61,982.49-	0.00	55,792.00	6,190.49
29454	MA ENERGY POLICY OFFICE	4,884.75-	0.00	4,884.75	0.00	0.00	0.00	0.00
29455	MA ED S-6477 EVAL FY76	8,979.13-	0.00	8,979.13	0.00	0.00	0.00	0.00
29456	MA ED S-6477 EVAL FY77	7,989.90-	0.00	7,989.90	0.00	0.00	0.00	0.00
29457	MA ED S-6477 SECOND FY77	30,871.00-	0.00	30,871.00	0.00	0.00	0.00	0.00
29458	MA ED S-4776	3,672.00-	0.00	3,672.00	0.00	0.00	0.00	0.00





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CURRENT FUNDS RESTRICTED								
29505	MA DES (MA LAB OR MKT)	0.00	22,000.00-	0.00	22,000.00-	0.00	22,000.00	0.00
29506	MA ED 78-397-010-010-7	0.00	5,088.00-	0.00	5,088.00-	0.00	5,088.00	0.00
29507	MA ED 78-397-010-014-7	0.00	52,990.00-	0.00	52,990.00-	0.00	52,990.00	0.00
29508	MENTAL HEALTH/CAREW	2,336.12-	0.00	1,342.16	993.96-	0.00	0.00	993.96
29509	CONN DEPT OF EDUCATION	568.87-	0.00	568.87	0.00	0.00	0.00	0.00
29510	MA EOAF (I.P.A.)	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
29511	MA EA 041-17875042-00	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
29512	MA OPH	0.00	97,000.00-	8,089.28	88,910.72-	0.00	97,000.00	8,089.28-
29513	MA EOTC-MA-09-8003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29514	MA DMH/WORCESTER (FY79)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29515	MA DMH/RUTLAND (FY79)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29516	MA DMH/FORENSIC (FY79)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29700	COP-NY CITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29701	COP-SPRINGFIELD	5,090.18-	0.00	0.00	5,090.18-	0.00	0.00	5,090.18
29702	COP-WORCESTER	22,462.61-	0.00	0.00	22,462.61-	0.00	0.00	22,462.61
29708	BOSTON SCH COM TITL III	1,522.42-	0.00	0.00	1,522.42-	0.00	2,000.00	477.58-
29709	BUREAU FOR ED EVAL & RES	2,086.98-	0.00	2,086.98	0.00	0.00	0.00	0.00
29711	SAFE STREETS 73C-091-115	1,742.47-	0.00	0.00	1,742.47-	0.00	94.81	1,647.66
29715	SAFE STREET #74C-026.035	15,598.31-	0.00	0.00	15,598.31-	0.00	14,164.25	1,434.06
29716	SAFE STREET #74C-083-115	19,395.88-	0.00	0.00	19,395.88-	0.00	15,655.02	3,740.86
29717	IPSWICH/ZAHRADNIK	454.29-	0.00	454.29	0.00	0.00	0.00	0.00
29722	SAFE STREET 75C-177.1100	14,718.66-	0.00	0.00	14,718.66-	0.00	14,929.00	210.34-
29726	MINI SABBATICALS	1,903.36-	0.00	0.00	1,903.36-	0.00	0.00	1,903.36
29727	BOSTON SCH 31-73-0001-01	0.00	0.00	0.00	0.00	0.00	1,675.00	1,675.00-
29728	BOSTON SCH 31-73-0002	0.00	0.00	0.00	0.00	0.00	1,650.00	1,650.00-
29729	IFLT/BOSTON/DISTRICT SCH	136.13-	0.00	0.00	136.13-	0.00	1,875.00	1,738.87-
29730	IFLT/BOSTON/MCCORMACK	389.87-	0.00	0.00	389.87-	0.00	1,875.00	2,264.87
29731	PROVINCETOWN/ZAHRADNIK	76.33-	0.00	0.00	76.33-	0.00	4,500.00	4,423.67-
29732	JAMESTOWN N.Y./GREENBIE	2,376.42-	0.00	0.00	2,376.42-	0.00	368.46-	2,744.88
29733	BOSTON SCHOOL/DAVID	3,767.04-	0.00	0.00	3,767.04-	0.00	0.00	3,767.04
29734	BOSTON SCHOOL/SCRIBNER	2,861.96-	0.00	2,861.96	0.00	0.00	0.00	0.00
29735	ME SCH DIST 22/JORDAN	1,803.89-	0.00	0.00	1,803.89-	0.00	0.00	1,803.89
29739	CITY OF BOSTON(SLAVET)	0.00	0.00	0.00	0.00	0.00	1,589.24	1,589.24-
29740	CITY OF REVERE(WERBE)	118.58-	0.00	118.58	0.00	0.00	0.00	0.00
29743	SHORE COLLABORATIVE	12,843.70-	0.00	10,946.81	1,896.89-	0.00	0.00	1,896.89
29745	IFLT/BOSTON/DISTRICT VI	2,233.57-	0.00	0.00	2,233.57-	0.00	0.42	2,233.15
29747	BOSTON SCHOOL COMMITTEE	5,362.43-	0.00	0.00	5,362.43-	0.00	15,857.22	10,494.79-
29748	MATTAPAN COMMUNITY CTR	8,062.43-	0.00	6,408.69	1,653.74-	0.00	6,339.56-	7,993.30
29749	ACC II BOSTON SCH COMM	13,912.98-	0.00	12,217.33	1,695.65-	0.00	911.76	783.89
29750	CITY OF BOSTON(IACC III)	2,420.52-	0.00	2,382.64	37.88-	0.00	105.00	67.12-
29751	BOSTON SCHOOL COMMITTEE	9,388.12-	0.00	8,452.03	936.09-	0.00	9,388.12	8,452.03-
29752	CO OP SPECIAL SERV CTR	187.54-	0.00	3,707.69	1,479.85-	0.00	0.02	1,479.83
29753	BOSTON SCHOOL 77-60-354	6,323.72-	0.00	6,282.61	41.11-	0.00	0.00	41.11
29754	AMHERST PUBLIC SCHOOLS	289.99-	19,500.00-	12,545.26	7,244.73-	0.00	4,875.00	2,369.73
29755	CITY OF BOSTON / BUO	0.00	0.00	13,635.98-	13,635.98-	0.00	13,635.98	0.00
29756	NORFOLK COUNTY (R WERBE)	0.25-	0.00	0.25	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
29757	CITY OF BOSTON(J SLAVET)	2,693.69-	0.00	307.69	2,386.00-	0.00	0.00	2,386.00
29758	SRP-MATTAPAN COMM CTR	4,300.69-	0.00	2,266.37	2,034.32-	0.00	6,969.77	4,935.45-
29759	BOSTON-POLICE COMM OFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29760	NORFOLK COUNTY(PROJ#1)	55.64-	0.00	55.64	0.00	0.00	0.00	0.00
29761	BOSTON-C D B G	35,788.65-	0.00	29,931.57	5,857.08-	0.00	11,851.15	5,994.07-
29763	PEABODY REDEVELOPMENT	200.00-	0.00	198.50	1.50-	0.00	0.00	1.50
29764	PEABODY REDEVELOPMENT	800.00-	0.00	783.93	16.07-	0.00	0.00	16.07
29765	BOSTON 78-95-0391	49,140.00-	0.00	46,601.81	2,538.19-	0.00	49,140.00	46,601.81-
29766	COUNTY EXTENSION/CETA	0.00	40,310.51-	34,182.59	6,127.92-	0.00	0.00	6,127.92
29767	BARNSTABLE COUNTY	0.00	3,192.00-	3,182.00	10.00-	0.00	192.00	182.00-
29768	BOSTON SCH 78-60-0183	0.00	181,114.80-	93,166.73	87,948.07-	0.00	104,565.00	16,616.93-
29769	BOSTON SCH 78-95-0248	0.00	17,280.00-	16,539.73	740.27-	0.00	17,280.00	16,539.73-
29770	BOSTON SCH 78-SW-0601	0.00	19,649.00-	14,181.07	5,467.93-	0.00	19,649.00	14,181.07-
29771	NORFOLK COUNTY(PROJ #21	0.00	2,400.00-	1,561.61	838.39-	0.00	0.00	838.39
29772	B-ALPO #00621C)	0.00	1,715.33-	100.00	1,615.33-	0.00	0.00	1,615.33
29773	CAMBRIDGE SCHOOL DEPT	0.00	23,215.00-	5,880.22	17,334.78-	0.00	10,000.00	7,334.78
29774	DEERFIELD ECON DEV COMM	0.00	2,000.00-	5,004.00	3,004.00	0.00	0.00	3,004.00-
29775	BHA (BUO W BROWY TASK)	0.00	16,500.00-	9,169.62	7,330.38-	0.00	16,500.00	9,169.62-
29776	CITY OF BOSTON (BUO)	0.00	25,000.00-	25,000.00	0.00	0.00	25,000.00	25,000.00-
29777	BOSTON 78-8C-0759	0.00	10,556.00-	54.00	10,502.00-	0.00	10,556.00	54.00-
29801	NATO-LENZ	326.88-	0.00	193.54	133.34-	0.00	0.00	133.34
29803	GOVERNMENT OF IRAN	5,291.14-	0.00	5,291.14	0.00	0.00	0.00	0.00
29804	N E REG COMM (NAEGELE)	31,747.76-	0.00	30,506.19	1,241.57-	0.00	0.00	1,241.57
29805	UNESCO UNDP-IND-72-032	183.63	185.00-	1.37	0.00	0.00	0.00	0.00
29806	UNESCO IERS-76-12	5.00-	0.00	5.00	0.00	0.00	0.00	0.00
29807	NATO 78/43	0.00	38,000.00-	0.00	38,000.00-	0.00	29,137.85	8,862.15
29808	NATO 1555	0.00	4,928.00-	0.00	4,928.00-	0.00	4,928.00	0.00
29999	TEST ACCOUNT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CURRENT FUNDS RESTRICTED		15717,868.86-	24656,996.99-	24102,593.92	16272,271.93-	0.00	17460,197.01	1187,925.08-



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
30000	GENERAL FEDERAL GRANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30003	USDA L/CR (EXTENSION)	0.00	0.00	0.00	0.00	0.00	1360,167.10-	1360,167.10
30004	USDA L/CR (EXPERIMENT)	0.00	0.00	0.00	0.00	0.00	918,134.23-	918,134.23
30105	FOOD & AGRIC ENGR	520.65-	100.00-	313.50	307.15-	0.00	0.00	307.15
30110	ANTHROPOLOGY	1,045.60-	59.86-	0.00	1,105.46-	0.00	0.00	1,105.46
30120	BIOCHEMISTRY	578.70-	385.00-	195.18	768.52-	0.00	0.00	768.52
30125	BOTANY	386.72-	100.00-	0.00	486.72-	0.00	0.00	486.72
30130	CLASSICS	510.71-	576.50-	1,061.70	25.51-	0.00	0.00	25.51
30135	CHEMICAL ENGINEERING	4,297.77-	16,799.95-	12,536.29	8,561.43-	0.00	0.00	8,561.43
30140	CIVIL ENGINEERING	726.78-	985.20-	1,671.23	40.75-	0.00	0.00	40.75
30145	COLLEGE OF AGRICULTURE	168.78-	274.00-	50.45	352.33-	0.00	0.00	352.33
30147	STOCKBRIDGE SCHOOL	1,797.51-	7,890.50-	6,526.85	3,161.12-	0.00	0.00	3,161.12
30148	HOTEL REST & TRAVEL	2,949.63-	1,500.00-	1,050.26	3,399.37-	0.00	0.00	3,399.37
30150	COLLEGE ARTS & SCIENCE	1,692.84-	35.00-	125.61	1,602.23-	0.00	0.00	1,602.23
30155	COMPARATIVE LITERATURE	5,463.97-	1,140.00-	3,950.89	2,613.08-	0.00	0.00	2,613.08
30160	COOPERATIVE	11,636.21-	35,385.71-	47,021.92	0.00	0.00	0.00	0.00
30165	DEAN OF STUDENTS	1,047.10-	0.00	49.45	997.65-	0.00	0.00	997.65
30170	CHEMISTRY	28,359.91-	15,629.20-	13,381.23	30,607.88-	0.00	0.00	30,607.88
30175	ENVIRONMENTAL HEALTH-SAF	33.00-	20.00-	0.00	53.00-	0.00	0.00	53.00
30180	PUBLIC HEALTH	2,557.51-	40.00-	166.64	2,430.87-	0.00	0.00	2,430.87
30190	GOVERNMENT	5,711.65-	50.00-	31.20	5,730.45-	0.00	0.00	5,730.45
30195	FORESTRY & WILDLIFE MT	115.87-	879.94-	49.86	945.95-	0.00	0.00	945.95
30200	ENGLISH	0.00	60.00-	60.00	0.00	0.00	0.00	0.00
30205	ELECTRICAL ENGINEERING	4,030.53-	488.40-	1,854.32	2,664.61-	0.00	0.00	2,664.61
30210	ENGINEERING RES.INST.	7,684.18-	4,870.12-	13,818.59	1,264.29	0.00	1,500.00-	235.71
30215	FOOD SCIENCE & TECHNOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30220	GEOLOGY	2,433.40-	8,558.90-	6,163.39	4,828.91-	0.00	0.00	4,828.91
30225	GERMAN	1,322.90-	305.95-	404.32	1,224.53-	0.00	0.00	1,224.53
30230	GRADUATE SCHOOL	7.65-	143.49-	0.00	151.14-	0.00	0.00	151.14
30235	HISTORY	361.49-	108.50-	61.00	408.99-	0.00	0.00	408.99
30240	HOME ECONOMICS	418.21-	2,242.75-	945.87	1,715.09-	0.00	0.00	1,715.09
30245	HUMANITIES & FINE ARTS	904.73-	35.00-	534.72	5.01-	0.00	0.00	5.01
30250	INDUSTRIAL ENGINEERING	92.95-	0.00	19.63	73.32-	0.00	0.00	73.32
30255	LABOR CENTER	4,754.35-	539.65-	1,101.64	4,192.36-	0.00	0.00	4,192.36
30260	LEGISLATIVE	709.47-	0.00	17.34	692.13-	0.00	0.00	692.13
30265	MARINE SCIENCES	133.49-	0.00	133.49	0.00	0.00	0.00	0.00
30270	MARKETING	9,075.24-	258.70-	1,308.73	8,025.21-	0.00	0.00	8,025.21
30271	GENERAL BUSINESS & FIN	394.64-	372.00-	509.68	256.96-	0.00	0.00	256.96
30275	MANAGEMENT	2,505.21-	678.30-	335.26	2,848.25-	0.00	0.00	2,848.25
30280	MATHEMATICS	577.79-	10.70-	494.54	93.95-	0.00	0.00	93.95
30285	MECHANICAL-AEROSPACE	19,248.46-	10,063.85-	17,384.53	11,927.78-	0.00	0.00	11,927.78
30290	MICROBIOLOGY	29.27-	0.00	0.00	29.27-	0.00	0.00	29.27
30295	NATURAL SCIENCES-MATH	1,222.78-	40.00-	1,108.70	154.08-	0.00	0.00	154.08
30300	NUTRITION RESEARCH	5.58-	0.00	0.00	5.58-	0.00	0.00	5.58
30305	PHILOSOPHY	76.44-	0.00	0.00	76.44-	0.00	0.00	76.44
30310	PHYSICS	1,396.43-	228.30	803.25	364.88-	0.00	0.00	364.88

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
30315	PLACEMENT GIFTS FUND	490.03-	984.70-	1,398.79	75.94-	0.00	0.00	75.94
30320	PLANT PATHOLOGY	0.17-	0.00	0.00	0.17-	0.00	0.00	0.17
30325	PLANT & SOIL SCIENCES	10.00-	65.00-	0.00	75.00-	0.00	0.00	75.00
30330	POLYMER-ENGINEERING	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30335	PSYCHOLOGY	1,031.06-	10.00-	368.80	672.26-	0.00	0.00	672.26
30340	ROMANCE LANGUAGES	1,432.41-	884.37-	876.66	1,440.12-	0.00	0.00	1,440.12
30345	SCHOOL OF BUSINESS ADM.	1,747.13-	5,834.49-	4,848.83	2,732.79-	0.00	0.00	2,732.79
30350	SCHOOL OF EDUCATION	31,697.95-	33,778.00-	41,525.81	23,550.14-	0.00	0.00	23,550.14
30355	SCHOOL OF ENGINEERING	4,173.32-	0.00	2,544.50	1,228.82-	0.00	0.00	1,228.82
30360	SCHOOL OF NURSING	399.98-	0.00	0.00	399.98-	0.00	0.00	399.98
30365	SCHOOL OF PHYSICAL ED	390.35-	1,238.76-	269.53	1,359.58-	0.00	0.00	1,359.58
30370	SOCIOLOGY	870.01-	0.00	13.93	856.08-	0.00	0.00	856.08
30375	SPANISH	0.64-	0.00	0.00	0.64-	0.00	0.00	0.64
30380	SOCIAL-BEHAVIORAL SCI	1,478.41-	1,800.00-	1,829.87	1,448.54-	0.00	0.00	1,448.54
30385	COMMUNICATION STUDIES	621.48-	3,014.28-	2,371.54	1,264.22-	0.00	92.50-	1,356.72
30390	STAFF PHYSICIANS	746.62-	0.00	0.00	746.62-	0.00	0.00	746.62
30395	VET & ANIMAL SCIENCE	987.98-	0.00	768.86	219.12-	0.00	0.00	219.12
30400	ZOOLOGY	2,956.93-	15.00-	308.43	2,663.50-	0.00	0.00	2,663.50
30405	ACCOUNTING DEPT	10,710.80-	7,779.50-	8,077.89	10,412.41-	0.00	0.00	10,412.41
30410	UWW	275.98-	40.00-	153.26	162.72-	0.00	0.00	162.72
30440	IME	972.48-	4,261.18-	2,818.46	2,415.20-	0.00	0.00	2,415.20
30445	CIRI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30450	FINE ARTS CENTER	415.37-	237.50-	204.40	448.47-	0.00	0.00	448.47
30451	FINE ARTS CENTER GALLERY	4,105.14-	2,342.31-	2,200.09	4,247.36-	0.00	0.00	4,247.36
30455	LIBRARY	77.90-	0.00	0.00	77.90-	0.00	0.00	77.90
30460	HEALTH SERVICES	39.77-	0.00	0.00	39.77-	0.00	0.00	39.77
30465	BLACK CULTURAL CENTER	756.38-	15.00-	224.45	546.93-	0.00	0.00	546.93
30470	LINGUISTICS	1.75-	0.00	0.00	1.75-	0.00	0.00	1.75
30475	FAC MAN & PLANNING	251.59-	0.00	49.30	202.29-	0.00	0.00	202.29
30480	MUSIC	4,962.40-	3,707.99-	6,132.03	2,538.36-	0.00	0.00	2,538.36
30485	ECONOMICS	1,109.94-	779.00-	793.80	1,095.14-	0.00	0.00	1,095.14
30490	ART DEPARTMENT	84.00-	140.00-	0.00	224.00-	0.00	0.00	224.00
30495	COMMUNICATION SKILLS CTR	35.00-	30.00-	0.00	65.00-	0.00	0.00	65.00
30500	DEPARTMENT OF ATHLETICS	2,075.52-	777.00-	253.50	2,599.02-	0.00	0.00	2,599.02
30501	BASEBALL	125.78-	757.50-	606.89	276.39-	0.00	0.00	276.39
30502	BASKETBALL	2,539.81-	2,026.50-	2,834.25	1,732.06-	0.00	0.00	1,732.06
30503	FOOTBALL	3,018.22-	6,264.70-	4,373.83	4,909.09-	0.00	0.00	4,909.09
30504	GOLF	246.00-	790.00-	506.00	530.00-	0.00	0.00	530.00
30505	GYMNASTICS	78.11-	430.00-	432.21	75.90-	0.00	0.00	75.90
30506	HOCKEY	122.50-	540.00-	355.00	307.50-	0.00	0.00	307.50
30507	LACROSSE	1,079.95-	1,210.50-	1,788.31	502.14-	0.00	0.00	502.14
30508	SKI TEAM	25.00-	215.00-	0.00	240.00-	0.00	0.00	240.00
30509	SOCCER	360.82-	1,165.70-	1,178.00	348.52-	0.00	0.00	348.52
30510	SWIMMING	390.54-	560.50-	542.20	408.84-	0.00	0.00	408.84
30511	TENNIS	159.74-	745.00-	162.00	742.74-	0.00	0.00	742.74
30512	TRACK	684.41-	989.20-	637.33	1,036.28-	0.00	0.00	1,036.28

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CURRENT FUNDS RESTRICTED								
30513	WRESTLING	222.62-	356.60-	148.20	431.02-	0.00	0.00	431.02
30514	CREW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30515	CROSS COUNTRY	209.15-	667.00-	34.00	842.15-	0.00	0.00	842.15
30516	BASKETBALL-WOMEN'S	30.00-	147.04-	0.00	177.04-	0.00	0.00	177.04
30517	FIELD HOCKEY-WOMEN'S	0.00	842.05-	14.00	828.05-	0.00	0.00	828.05
30518	GYMNASTICS-WOMEN'S	229.88-	424.00-	263.20	390.68-	0.00	0.00	390.68
30519	SOFTBALL-WOMEN'S	25.00-	365.00-	74.20	315.80-	0.00	0.00	315.80
30520	SKIING-WOMEN'S	5.00-	40.00-	0.00	45.00-	0.00	0.00	45.00
30521	SWIMMING-WOMEN'S	90.00-	528.21-	154.75	463.46-	0.00	0.00	463.46
30522	TENNIS-WOMEN'S	25.00-	228.00-	53.10	199.90-	0.00	0.00	199.90
30523	VOLLEYBALL-WOMEN'S	5.00-	15.00-	0.00	20.00-	0.00	0.00	20.00
30524	WOMEN'S ATHLETICS	175.00-	267.00-	0.00	442.00-	0.00	0.00	442.00
30525	INTRAMURALS	5.00-	5.00-	0.00	10.00-	0.00	0.00	10.00
30530	GOLF-WOMEN'S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30535	LACROSSE-WOMEN'S	0.00	5.00-	0.00	5.00-	0.00	0.00	5.00
30540	TRACK-WOMEN'S	0.00	25.00-	0.00	25.00-	0.00	0.00	25.00
30545	CROSS COUNTRY-WOMEN'S	0.00	5.00-	0.00	5.00-	0.00	0.00	5.00
30600	GLOBAL SURVIVAL PROGRAM	40.00-	0.00	0.00	40.00-	0.00	0.00	40.00
30605	LANDSCAPE ARCHITECTURE	20.00-	346.26-	256.26	110.00-	0.00	0.00	110.00
30610	OFFICE OF PUBLIC AFFAIRS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30615	SLAVIC LANGUAGES	0.00	362.00-	151.13	170.87-	0.00	0.00	170.87
30620	PROVOST'S OFFICE	0.00	4,544.00-	0.00	4,544.00-	0.00	0.00	4,544.00
30625	FOOD SCIENCE & NUTRITION	0.00	1,000.00-	0.00	1,000.00-	0.00	0.00	1,000.00
30630	GREEK AFFAIRS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31100	PHYSICS ENRICHMENT FUND	701.27-	0.00	50.60	650.67-	0.00	0.00	650.67
31105	POLITICAL ECO SERVICE FD	24.86-	0.00	0.00	24.86-	0.00	0.00	24.86
31115	CPCS SUPPORT FUND	1,231.70-	200.00-	427.05	1,004.65-	0.00	0.00	1,004.65
31120	LIBRARY SUPPORT FUND	507.50-	0.00	0.00	507.50-	0.00	0.00	507.50
31125	CPS SUPPORT FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31600	ANATOMICAL	1,185.76-	0.00	417.02	768.74-	0.00	0.00	768.74
31605	BIOCHEMISTRY	6,536.85-	0.00	6,480.00	56.85-	0.00	0.00	56.85
31610	PATHOLOGY	3,285.00-	5,000.00-	4,594.84	3,690.16-	0.00	800.00-	4,490.16
31615	PEDIATRIC	2,911.38-	117.00-	1,345.55	1,682.79-	0.00	0.00	1,682.79
31620	MED SCHOOL	22,877.63-	25.00-	7,736.63	15,166.00-	0.00	0.00	120.00-
31625	DEPT ORTHOLOGY	27,805.32	0.00	14,850.82	42,656.14	0.00	15,286.00	2,898.13
31630	PHARMACOLOGY	257.86-	200.00-	135.07	322.79-	0.00	45,554.27-	322.79
31635	PHYSIOLOGY	421.50-	1,214.41-	54.79	1,541.12-	0.00	67.13-	1,608.25
31640	SURGERY DEPARTMENT	37,899.30-	12,876.30-	31,791.38	18,984.22-	0.00	18,984.22	18,984.22
31645	MEDICINE DEPARTMENT	1,733.28-	860.00-	2,050.28	503.00-	0.00	0.00	503.00
31650	PHARMACY DEPARTMENT	193.01-	0.00	0.00	193.01-	0.00	0.00	193.01
31655	CARDIOLOGY DEPARTMENT	19.75	1,550.00-	1,095.42	434.83-	0.00	0.00	434.83
31656	CARDIOVASCULAR LIBRARY	0.00	2,610.00-	1,594.41	1,015.59-	0.00	0.00	1,015.59
31660	HOSPITAL SUPPORT FUND	0.00	405.00-	200.00	205.00-	0.00	0.00	205.00
31665	GASTROENTEROLOGY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31670	HEMATOLOGY	0.00	250.00-	150.00	100.00-	0.00	0.00	100.00
32000	SRP-CONTRACTS UNDER \$1M	0.00	8,000.00-	5,083.37	2,916.63-	0.00	2,545.35-	5,461.98



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	COTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
32001	DAAK 03-74-C-0098	25,785.64-	0.00	4,097.64	21,688.00-	0.00	11,500.80	10,187.20
32002	COMM ON GAMBLING POLICY	2,749.70-	0.00	2,759.58	9.88	0.00	0.00	9.88-
32003	MA DEPT PUBLIC HEALTH	78,367.47-	0.00	63,957.00	14,370.47-	0.00	13,509.19	861.28
32004	JEWISH PHILANTHROPIES	1,668.47	113.00-	1,794.11-	238.64-	0.00	113.00	125.64
32005	R I HEALTH SURVEY 75	35,391.52-	0.00	3,756.72	31,634.80-	0.00	31,783.00	148.20-
32006	MA DEPT PUBLIC HEALTH	13,489.54-	0.00	4,483.39	9,006.15-	0.00	9,000.00	6.15
32007	HEW OHD-90-A-641/01	5,887.54-	0.00	0.00	5,887.54-	0.00	5,887.54	0.00
32008	LEAA 75-NI-99-0084	15,994.35-	0.00	15,994.35	0.00	0.00	0.00	0.00
32009	MA EDEA (2000-0141)	4,043.75-	0.00	157.78	3,885.97-	0.00	4,000.00	114.03-
32010	JEWISH PHILANTHROPIES	39,920.85-	0.00	0.00	39,920.85-	0.00	50,000.00	10,079.15-
32011	IACP(LEAA 0397-99-NI-75)	347.48-	0.00	0.00	347.48-	0.00	0.00	347.48
32012	SRP-UCPC	37,779.88-	0.00	0.00	37,779.88-	0.00	43,500.00	5,720.12-
32013	SRP-NFPA	996.49-	0.00	0.00	996.49-	0.00	1,000.00	3.51-
32014	ROXBURY DENTAL & MEDICAL	1,096.69-	0.00	0.00	1,096.69-	0.00	2,000.00	903.31-
32015	SRP-MA PUBLIC WELFARE	14,814.92-	0.00	0.00	14,814.92-	0.00	15,000.00	185.08-
32016	SRP-NCF	1,631.54-	0.00	0.00	1,631.54-	0.00	2,000.00	368.46-
32017	SRP-MA EDEA	1,945.95-	0.00	0.00	1,945.95-	0.00	2,000.00	54.05-
32018	SRP-MICHIGAN (NSF)	4,354.22-	0.00	0.00	4,354.22-	0.00	6,000.00	1,645.78-
32019	SRP-HARVARD UNIVERSITY	3,945.72-	0.00	0.00	3,945.72-	0.00	4,000.00	54.28-
32020	COMMISSION ON GAMBLING	1,506.22-	0.00	0.00	1,506.22-	0.00	1,500.00	6.22
32021	SRP-UNIV OF MICHIGAN	2,425.47-	0.00	0.00	2,425.47-	0.00	3,125.00	699.53-
32022	SRP-COMM ON GAMBLING	2,506.26-	0.00	0.00	2,506.26-	0.00	2,500.00	6.26
32023	SRP-M I T (SR33257)	872.66-	0.00	0.00	872.66-	0.00	984.00	111.34-
32024	SRP-B U MEDICAL CENTER	8,005.21	41,740.00-	28,319.47	5,415.32-	0.00	9,499.00	4,083.68-
32025	SRP-UCPC	6,663.36-	10,000.00-	2,194.31	14,469.05-	0.00	15,706.98	1,237.93-
32026	SRP-MIT (PO# SR33284)	10,269.81-	0.00	0.00	10,269.81-	0.00	10,000.00	269.81
32027	SRP-SAORI	7,831.18-	0.00	0.00	7,831.18-	0.00	8,106.00	274.82-
32028	SRP- CJP #3	4,646.00-	0.00	0.00	4,646.00-	0.00	4,321.33	324.67
32029	SRP-B UIPO 28999-3661-5)	8,872.79-	0.00	10,174.75	1,301.96	0.00	1,000.00	1,302.56-
32030	SRP-COMM ON GAMBLING	5,392.52-	0.00	109.50	5,283.02-	0.00	4,000.00	1,283.02
32031	SRP-HEW OHD-90-A-641-02	23,127.92-	0.00	26,123.78	2,995.86	0.00	0.00	2,995.86-
32032	SRP-BUMC/PO 33894-3452-5	617.11-	0.00	0.94	616.17-	0.00	36.00	580.17
32033	SRP-BRANDEIS UNIV	1,669.85	0.00	94.58	1,764.43	0.00	2,000.00-	235.57
32034	SRP-MA & H FDN INC	28.33	1,000.00-	664.49	307.18-	0.00	189.00-	496.18
32035	SRP-NE BUREAU CRIMINAL	5,371.73-	0.00	9.87	5,361.86-	0.00	5,411.00	49.14-
32036	SRP-ENVIRONMENT LAW INST	973.90-	0.00	427.02	546.88-	0.00	148.00-	694.88
32037	SRP-CTR ENERGY POLICY	9,850.00-	0.00	6,569.74	2,880.26-	0.00	2,876.00	4.26
32038	SRP-CJP	906.00-	0.00	882.57	2,023.43-	0.00	2,055.00	31.57-
32039	SRP-TOWN OF BROOKLINE	15,400.00-	0.00	20,325.56	4,925.56	0.00	0.00	4,925.56-
32040	SRP-N E TELEPHONE CO	3,500.00-	0.00	4,115.46	615.46	0.00	0.00	615.46-
32041	SRP-ELI	0.00	3,779.00-	3,679.54	99.46-	0.00	43.00	56.46
32042	SRP-HARVARD/MIT URBAN CT	0.00	42,000.00-	51,525.49	9,525.49	0.00	1,208.17-	8,317.32-
32043	SRP-8U MED/PO 43675-3828	0.00	282,290.00-	258,467.56	23,822.04-	0.00	97,485.39	73,663.35-
32044	CSR-NEMCH	0.00	3,830.00-	3,082.97	747.03-	0.00	3,830.00	3,082.97-
32045	CSR-SHRIVER DENTAL STUDY	0.00	18,550.00-	12,557.10	5,992.90-	0.00	18,550.00	12,557.10-
32046	CSR-ENVIRONMENT LAW INST	0.00	1,000.00-	1,013.48	13.48	0.00	0.00	13.48-



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
32047	CSR-ELI	0.00	20,000.00-	26,554.57	6,554.57	0.00	3,907.00	10,461.57-
32048	CRS-MA EA 036-27874129	0.00	55,000.00-	53,029.24	1,970.76-	0.00	0.00	1,970.76
32049	CSR-AM HEBREW UNION	0.00	1,050.00-	172.16	877.84-	0.00	1,050.00	172.16-
32050	CSR-BOSTON REDEVELOPMENT	0.00	10,775.00-	8,824.87	1,950.13-	0.00	10,775.00	8,824.87-
32100	PROJECT COORDINATION	0.00	782,082.00-	58,241.04	723,840.96-	0.00	760,571.41	36,730.45-
32101	CORE CURR-SCHCOL OF ED	0.00	0.00	48,316.15	48,316.15	0.00	0.00	48,316.15-
32102	CORE CURR-CONTINUING ED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32103	CORE CURR-C P C S	0.00	0.00	69,990.53	69,990.53	0.00	0.00	69,990.53-
32104	CORE CURRICULUM DEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32105	CORE CURR-MEDIA & FILM	0.00	0.00	7,462.70	7,462.70	0.00	0.00	7,462.70-
32120	TRAINING/PRIORITY PGMS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32121	TRAINING-SCHOOL OF ED	0.00	0.00	6,963.81	6,963.81	0.00	0.00	6,963.81-
32122	TRAINING-CONTINUING ED	0.00	0.00	24,261.60	24,261.60	0.00	0.00	24,261.60-
32123	TRAINING PGM-C P C S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32400	NIH 5 S07 RR07048-13	0.00	84,106.00-	68,103.50	16,002.50-	0.00	16,002.50	0.00
32401	BRSG-J EDMAN	0.00	3,600.00-	0.00	3,600.00-	0.00	3,600.00	0.00
32402	BRSG-L SLAKEY	0.00	1,595.00-	0.00	1,595.00-	0.00	1,595.00	0.00
32403	BRSG-B JACOBSON	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
32404	BRSG-I SCHWARTZ	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
32405	BRSG-L HAYES	0.00	4,450.00-	207.69	4,242.31-	0.00	4,242.31	0.00
32406	BRSG-M FRIEDMAN	0.00	4,915.00-	0.00	4,915.00-	0.00	4,915.00	0.00
32407	BRSG-P UDEN	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
32408	BRSG-R GOLD	0.00	5,000.00-	0.00	5,000.00-	0.00	5,000.00	0.00
32409	BRSG-R DUBY	0.00	3,562.50-	0.00	3,562.50-	0.00	3,562.50	0.00
32410	BRSG-J AYRES	0.00	3,950.00-	0.00	3,950.00-	0.00	3,950.00	0.00
32411	BRSG-P HEPLER	0.00	4,901.00-	0.00	4,901.00-	0.00	4,901.00	0.00
32412	BRSG-A POLLATSEK	0.00	7,000.00-	0.00	7,000.00-	0.00	7,000.00	0.00
32413	BRSG-J MEYER	0.00	6,030.00-	0.00	6,030.00-	0.00	6,030.00	0.00
32414	BRSG-R FULLER	0.00	3,600.00-	404.10	3,195.90-	0.00	3,195.90	0.00
32415	BRSG-V LESSER	0.00	2,000.00-	0.00	2,000.00-	0.00	2,000.00	0.00
32416	BRSG-R ZIMMERMAN	0.00	2,500.00-	415.38	2,084.62-	0.00	2,084.62	0.00
32450	NIH 5 S07 RR05712-07	0.00	95,064.00-	40,000.00	55,064.00-	0.00	55,064.00	0.00
32451	BRSG-R MCGUIRE	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32452	BRSG-E OGATA	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32453	BRSG-J SULLIVAN	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32454	BRSG-L VILLA-KOMAROFF	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32455	BRSG-J ALPERT	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32456	BRSG-L KELLY	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32457	BRSG-J SINGER	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32458	BRSG-K CARLSON	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32459	BRSG-S KAPEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32460	BRSG-J HANSHAW	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32461	BRSG-D PURTILLO	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32550	NSF GU-4209 BOSTON	16.00-	0.00	0.00	0.00	0.00	0.00	0.00
32600	NSF GU-4210	1,839.65-	0.00	16.00	1,839.65-	0.00	1,839.65	0.00
32650	ACS IN-129	0.00	35,000.00-	8,750.00	26,250.00-	0.00	5,832.00	20,418.00

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
32651	ACS-A JACOBSON	0.00	2,000.00-	478.00	1,522.00-	0.00	0.00	1,522.00
32652	ACS-J FOTHERGILL	0.00	1,750.00-	2,617.68	867.68	0.00	0.00	867.68-
32653	ACS-I KATAYAMA	0.00	1,500.00-	1,138.44	361.56-	0.00	0.00	361.56
32654	ACS-J PRICE	0.00	2,000.00-	465.54	1,534.46-	0.00	0.00	1,534.46
32655	ACS-G CUKOR	0.00	1,000.00-	150.00	850.00-	0.00	0.00	850.00
32656	ACS-B LEVY	0.00	500.00-	105.65	394.35-	0.00	0.00	394.35
32704	BSSG-B HONIGBERG	2,781.70-	500.00-	1,628.40	1,653.30-	0.00	1,653.30	0.00
32707	BSSG-S HOLT	109.62-	0.00	24.37	85.25-	0.00	85.25	0.00
32708	BSSG-K LANGLEY	444.99-	0.00	444.99	0.00	0.00	0.00	0.00
32709	BSSG-R TESSLER	1,231.34-	376.80-	1,608.14	0.00	0.00	126.80	126.80-
32710	BSSG-M WILDER	26.40-	0.00	26.40	0.00	0.00	0.00	0.00
32711	BSSG-L SLAKEY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32712	BSSG-G WADE	27.96-	0.00	0.00	27.96-	0.00	27.96	0.00
32713	BSSG-T LESSIE/S HOLT	184.94-	0.00	0.00	184.94-	0.00	184.94	0.00
32714	BSSG-H RAUCH	172.64-	0.00	148.53	24.11-	0.00	24.11	0.00
32715	BSSG-I SCHWARTZ	106.45-	10.55-	0.00	117.00-	0.00	127.55	10.55-
32716	BSSG-C WOODCOCK	53.35-	0.00	283.26	229.91	0.00	229.91-	0.00
32717	BSSG-J AYERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32718	BSSG-J PALMER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32719	BSSG-T MCAVOY	3,464.13-	0.00	1,971.94	1,492.19-	0.00	1,492.19	0.00
32750	PHS RR-07048-11	2,329.75-	0.00	8,801.77	6,472.02	0.00	6,472.02-	0.00
32751	BRSG-K FITE	3,257.06-	2,964.00-	1,592.83	4,228.23-	0.00	4,228.23	0.00
32752	BRSG-F KARASZ	741.31-	0.00	724.84	16.47-	0.00	16.47	0.00
32753	BRSG-K LANGLEY	0.06-	0.00	0.06	0.00	0.00	0.00	0.00
32754	BRSG-H LITTLE	2,185.16-	0.00	620.25	1,564.91-	0.00	1,564.91	0.00
32755	BRSG-L NORKIN	8,930.91-	2,500.00-	3,432.63	7,998.28-	0.00	7,998.28	0.00
32756	BRSG-K SASTRY	2,415.40	0.00	1,678.69	4,094.09-	0.00	4,094.09-	0.00
32757	BRSG-D NODEN	3,298.33-	3,145.00-	2,828.87	3,614.46-	0.00	3,614.46	0.00
32758	BRSG-C DOWELL	111.52-	0.00	12.00	99.52-	0.00	99.52	0.00
32759	BRSG-J EDMAN	1,632.86-	0.00	1,555.82	77.04-	0.00	77.04	0.00
32760	BRSG-H HAGEDORN	25.00-	0.00	25.00	0.00	0.00	0.00	0.00
32761	BRSG-S HOLT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32762	BRSG-T MASON	937.36-	0.00	537.36	0.00	0.00	0.00	0.00
32763	BRSG-S MIDDLEMAN	564.71-	0.00	564.71	0.00	0.00	0.00	0.00
32764	BRSG-B MILLER	482.10-	0.00	464.07	18.03-	0.00	18.03	0.00
32765	BRSG-E WESTHEAD	86.98-	2.02-	0.00	89.00-	0.00	91.02	2.02-
32766	BRSG-M WILDER	4,102.77-	3,500.00-	3,361.35	4,221.42-	0.00	4,221.42	0.00
32767	BRSG-J ROBERTS	539.28-	0.00	532.39	6.89-	0.00	6.89	0.00
32768	BRSG-R ARCHER	0.15-	0.00	0.15	0.00	0.00	0.15-	0.00
32769	BRSG-A KAMIL	136.52-	54.16-	190.68	0.00	0.00	54.16	54.16-
32770	BRSG-H STIDHAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32771	BRSG-D NODEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32772	BRSG-I SCHWARTZ	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32773	BRSG-V OETHIER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32774	BRSG-E CALABRESE	3,500.00-	0.00	1,188.25	2,311.75-	0.00	2,311.75	0.00
32775	BRSG-J KUNKEL	3,178.00-	0.00	3,033.70	144.30-	0.00	144.30	0.00

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
32776	BRSG-J AYRES	3,000.00-	0.00	1,500.00	1,500.00-	0.00	1,500.00	0.00
32777	BRSG-N CARLSON	2,232.35-	0.00	598.69	1,633.66-	0.00	1,633.66	0.00
32778	BRSG-S EPSTEIN	2,700.00-	8,000.00-	6,257.38	4,442.62-	0.00	4,965.99	523.37-
32800	PHS RR-05712-04	0.00	30.83-	30.83	0.00	0.00	0.00	0.00
32801	GRSG-C MULDER	116.80-	0.00	116.80	0.00	0.00	0.00	0.00
32802	GRSG-T MILLER	26.17-	0.00	26.17	0.00	0.00	0.00	0.00
32803	GRSG-J DOBSON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32804	GRSG-I KATAYAMA	139.86-	0.00	139.86	0.00	0.00	0.00	0.00
32805	GRSG-B FELLNER	65.30-	0.00	65.30	0.00	0.00	0.00	0.00
32806	GRSG-A HOPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32807	GRSG-R HUMPHREYS	10.29-	0.00	10.29	0.00	0.00	0.00	0.00
32808	GRSG-L KELLY	516.18-	0.00	516.18	0.00	0.00	0.00	0.00
32809	GRSG-E MANSELL	2,025.09-	0.00	2,025.09	0.00	0.00	0.00	0.00
32810	GRSG-G MCGUIRE	625.77-	30.83-	656.60	0.00	0.00	0.00	0.00
32811	GRSG-G NEMECEK	0.00	0.00	0.00	0.00	0.00	4,000.00-	4,000.00
32812	GRSG-O PARKER	1,500.15-	0.00	1,500.15	0.00	0.00	0.00	0.00
32814	GRSG-E SMITH	1,064.82-	0.00	1,064.82	0.00	0.00	0.00	0.00
32815	GRSG-M SUSSKIND	15.27-	0.00	15.27	0.00	0.00	0.00	0.00
32816	GRSG-J WALSH	15.15-	0.00	15.15	0.00	0.00	0.00	0.00
32817	GRSG-H CLEARY	223.53-	0.00	223.53	0.00	0.00	0.00	0.00
32818	GRSG-U DE GIROLOMI	4.57-	0.00	4.57	0.00	0.00	0.00	0.00
32819	GRSG-R WHITE	0.93-	0.00	0.93	0.00	0.00	0.00	0.00
32820	GRSG-E ETIENNE	99.01-	0.00	99.01	0.00	0.00	0.00	0.00
32821	GRSG-J HOPPER	0.00	0.00	0.00	0.00	0.00	4,000.00-	4,000.00
32822	GRSG-G SCHNEIDER	42.35-	0.00	42.35	0.00	0.00	0.00	0.00
32823	GRSG-S GAGLIARDI	227.83-	0.00	227.83	0.00	0.00	0.00	0.00
32824	GRSG-M IWAYA	26.49-	0.00	26.49	0.00	0.00	0.00	0.00
32850	PHS RR 05712-05	10,527.26-	0.00	7,284.60	3,242.66-	0.00	3,242.66	0.00
32851	GRSG-W WEBSTER	993.59-	0.00	993.59	0.00	0.00	0.00	0.00
32852	GRSG-G CUKER	1,381.42-	0.00	1,338.42	43.00-	0.00	43.00	0.00
32853	BRSG-D KOMINZ	1,411.57-	0.00	1,411.57	0.00	0.00	0.00	0.00
32854	BRSG-T PARRINO	1,761.45-	0.00	707.05	1,054.40-	0.00	1,054.40	0.00
32855	BRSG-I JORIS	2,367.23-	0.00	2,367.23	0.00	0.00	0.00	0.00
32856	BRSG-A VAGENAKIS	256.30-	42.29-	298.59	0.00	0.00	42.29	42.29-
32857	BRSG-R BUTCHER	315.15-	0.00	315.15	0.00	0.00	0.00	0.00
32858	BRSG-H MACWILLIAMS	2,956.75-	0.00	2,296.91	659.84-	0.00	659.84	0.00
32859	BRSG-R CLARK	3,080.68-	0.00	2,785.27	295.41-	0.00	295.41	0.00
32860	BRSG-N BLACKLOW	32.00-	0.00	32.00	0.00	0.00	0.00	0.00
32861	BRSG-O YU	4,000.00-	0.00	1,574.16	2,425.84-	0.00	2,425.84	0.00
32862	BRSG-J PRICE	195.65-	84.40-	280.05	0.00	0.00	84.40	84.40-
32863	BRSG-S GAGLIARDI	3,999.00-	0.00	1,237.63	2,761.37-	0.00	2,761.37	0.00
32864	BRSG-E SMITH	4,000.00-	0.00	3,447.93	552.07-	0.00	552.07	0.00
32865	BRSG-G SCHNEIDER	3,586.82-	0.00	1,910.80	1,676.02-	0.00	1,676.02	0.00
32866	BRSG-F CHLAPOWSKI	1,324.08-	0.00	1,324.08	0.00	0.00	0.00	0.00
32867	BRSG-J FEINBLATT	4,000.00-	0.00	3,089.76	910.24-	0.00	910.24	0.00
32868	BRSG-I HALKERSTON	2,467.26-	0.00	2,461.82	5.44-	0.00	5.44	0.00



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
32869	BRSG-D TIPPER	3,106.05-	0.00	2,536.39	569.66-	0.00	569.66	0.00
32870	BRSG-C MULDER	0.00	4,297.08-	4,320.87	23.79	0.00	23.79-	0.00
32871	BRSG-S CLARK	2,830.00-	2,830.00-	0.00	0.00	0.00	0.00	0.00
32900	NIH 5 S07 RR07048-12	5,836.00-	7,493.78-	26,267.33	8,937.55	0.00	13,937.55-	5,000.00
32901	BRSG-J HALPERN	7,888.00-	4,100.00-	3,622.24	8,365.76-	0.00	8,365.76	0.00
32902	BRSG-R ROWELL	3,180.00-	364.66-	3,544.66	0.00	0.00	0.00	0.00
32903	BRSG-C THORNE	4,100.00-	0.00	3,725.19	374.81-	0.00	374.81	0.00
32904	BRSG-C WOODCOCK	4,746.00-	0.00	3,632.79	1,113.21-	0.00	1,113.21	0.00
32905	BRSG-A RUSSI	4,850.00-	0.00	3,883.03	966.97-	0.00	966.97	0.00
32906	BRSG-R BARNES	300.00	0.00	4,623.83	4,923.83	0.00	76.17	5,000.00-
32907	BRSG-C DOWELL	4,270.00-	6.38-	4,276.38	0.00	0.00	6.38	6.38-
32908	BRSG-R FULLER	5,000.00-	0.00	4,891.00	109.00-	0.00	109.00	0.00
32909	BRSG-M FISCHER	5,000.00-	0.00	1,805.93	3,194.07-	0.00	3,194.07	0.00
32910	BRSG-C LILLYA	2,200.00-	0.00	1,559.36	640.64-	0.00	640.64	0.00
32911	BRSG-M KAULENAS	2,580.00-	0.00	2,048.31	1,531.69-	0.00	1,531.69	0.00
32912	BRSG-L ROBERTS	4,711.20-	636.36-	5,347.56	0.00	0.00	636.36	636.36-
32913	BRSG-J MONER	4,704.00-	560.00-	4,252.67	971.33-	0.00	971.33	0.00
32914	BRSG-B STRICKLAND	4,300.00-	0.00	4,253.33	46.67-	0.00	46.67	0.00
32915	BRSG-L SLAKEY	3,932.26-	0.00	3,932.25	0.01-	0.00	0.01	0.00
32916	BRSG-N CARLSON	2,100.00-	0.00	1,211.85	888.15-	0.00	888.15	0.00
32917	BRSG-J CHIEN	4,000.00-	0.00	3,210.65	689.35-	0.00	689.35	0.00
32918	BRSG-T STENGLE	3,200.00-	0.00	2,404.96	795.04-	0.00	795.04	0.00
32919	BRSG-R JAMES	0.00	29.84-	28.95	0.89-	0.00	0.89	0.00
32920	BRSG-A HARRIS	0.00	971.32-	0.00	971.32-	0.00	971.32	0.00
32921	BRSG-M NOVAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32922	BRSG-W NUTTING	0.00	1,346.48-	753.98	592.50-	0.00	592.50	0.00
32923	BRSG-J ROBERTS	0.00	103.02-	0.00	103.02-	0.00	103.02	0.00
32924	BRSG-R LEVIN	0.00	1,156.88-	1,156.88	0.00	0.00	0.00	0.00
32925	BRSG-G WADE	0.00	1,237.81-	1,234.54	3.27-	0.00	3.27	0.00
32926	BRSG-G FRETWELL	0.00	376.00-	289.79	86.21-	0.00	86.21	0.00
32927	BRSG-G WADE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32928	BRSG-J MOORE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32929	BRSG-R ZIMMERMAN	0.00	0.00	728.35	728.35	0.00	0.00	728.35-
32950	NIH 5 S07 RR05712-06	0.00	5,730.09-	66,504.28	60,774.19	0.00	60,774.19-	0.00
32951	BRSG-G WRIGHT	0.00	4,113.31-	4,113.31	0.00	0.00	0.00	0.00
32952	BRSG-J ANSELL	0.00	4,000.00-	3,182.23	817.77-	0.00	817.77	0.00
32953	BRSG-W WEBSTER	0.00	4,000.00-	1,004.96	2,995.04-	0.00	2,995.04	0.00
32954	BRSG-D PURTILLO	0.00	4,000.00-	1,157.94	2,842.06-	0.00	2,842.06	0.00
32955	BRSG-I SZYMANSKI	0.00	4,000.00-	3,982.37	17.63-	0.00	17.63	0.00
32956	BRSG-S GAGLIARDI	0.00	6,000.00-	0.00	6,000.00-	0.00	6,000.00	0.00
32957	BRSG-R SINGER	0.00	4,105.97-	4,105.97	0.00	0.00	0.00	0.00
32958	BRSG-A JACOBSON	0.00	4,000.00-	3,812.55	187.45-	0.00	187.45	0.00
32959	BRSG-M BRATT	0.00	8,285.00-	8,285.00	0.00	0.00	0.00	0.00
32960	BRSG-G EASTWICK	0.00	4,000.00-	3,641.97	358.03-	0.00	358.03	0.00
32961	BRSG-E KANE	0.00	4,000.00-	3,144.05	855.95-	0.00	855.95	0.00
32962	BRSG-M WOLF	0.00	4,000.00-	4,000.00	0.00	0.00	0.00	0.00



FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUNC BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
32963	BRSG-J BHAWAN	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32964	BRSG-N GANTZ	0.00	4,000.00-	0.00	4,000.00-	0.00	4,000.00	0.00
32965	BRSG-P PLETKA	0.00	4,000.00-	1,536.69	2,463.31-	0.00	2,463.31	0.00
32966	BRSG-M IWAYA	0.00	0.00	3,524.16	3,524.16-	0.00	3,524.16-	0.00
32967	BRSG-8 LEVY	0.00	0.00	687.29	687.29-	0.00	687.29-	0.00
32968	BRSG-D PARKER	0.00	76.00-	0.00	0.00	0.00	0.00	0.00
33000	CWS-FED FY75(POST MATCH)	1,330.37-	76.00-	0.00	1,406.37-	0.00	2,659.18-	4,065.55
33001	CWS-FED FY75(03 MATCH)	102,622.02	0.00	0.00	102,622.02	0.00	102,622.02-	0.00
33002	CWS-FED FY76(POST MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33003	CWS-FED FY76(03 MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33004	CWS-FED FY77(POST MATCH)	174,406.11	1,150.00-	277.67-	172,978.44	0.00	120,358.12-	52,620.32-
33005	CWS-FED FY77(03 MATCH)	394,331.40	754.20-	166.81-	393,410.39	0.00	750,566.48-	357,156.09
33006	CWS-FED FY78(POST MATCH)	0.00	275,189.33-	92,081.98	187,107.35-	0.00	152,711.98	34,395.37
33007	CWS-FED FY78(03 MATCH)	0.00	2224,626.64-	2639,025.34	414,358.70	0.00	400,683.22-	13,715.48-
33008	CWS-JOB LOCATION PGM(79)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33009	CWS-JOB LOCATION PGM	0.00	8,622.18-	8,664.06	41.88	0.00	0.00	41.88-
33010	CWS-AMHERST-OFF CAMPUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33011	CWS-ACTION INC GLOUCESTER	78.40	302.40-	224.00	0.00	0.00	0.00	0.00
33012	CWS-DEPT OF AGRICULTURE	0.00	273.00-	273.00	0.00	0.00	0.00	0.00
33013	CWS-TOWN OF AMHERST	554.89	675.65-	546.40	425.60	0.00	0.00	425.60-
33014	CWS-AMHERST TCN PLANNER	166.60	414.05-	358.05	110.60	0.00	0.00	110.60-
33015	CWS-FITCHBURG YMCA	0.00	7.70-	7.70	0.00	0.00	0.00	0.00
33016	CWS-TYNAN COMMUNITY SCH	0.00	185.50-	185.50	0.00	0.00	0.00	0.00
33017	CWS-WESTFIELD ALT SCHOL	0.00	144.55-	144.55	0.00	0.00	0.00	0.00
33018	CWS-BOSTON DEPT OF YOUTH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33019	CWS-BOSTON YMCA	425.55	2,391.90-	1,890.35	76.00-	0.00	0.00	76.00
33020	CWS-ENV MNGT (FOR & PAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33021	CWS-S E REG PLANNING	0.00	219.80-	219.80	0.00	0.00	0.00	0.00
33022	CWS-WOBURN SCHOOL DEPT	0.00	218.40-	218.40	0.00	0.00	0.00	0.00
33023	CWS-CAPE COD CCPH COLL	105.25	300.50-	195.25	0.00	0.00	0.00	0.00
33024	CWS-CITY OF CHELSEA	564.80	351.00-	351.00	564.80	0.00	0.00	564.80-
33025	CWS-HAMP NEIGHBORHOOD CTR	0.00	455.00-	455.00	0.00	0.00	0.00	0.00
33026	CWS-NEW ENG SINAI HDSP	0.00	179.20-	179.20	0.00	0.00	0.00	0.00
33027	CWS-COMMUNITY BOATING	0.00	163.49-	163.49	0.00	0.00	0.00	0.00
33028	CWS-FAM PLAN COUN OF W M	37.20	633.00-	595.80	0.00	0.00	0.00	0.00
33029	CWS-HAMP COMM ACTION CCM	141.00	524.57-	420.69	37.12	0.00	0.00	37.12-
33030	CWS-LAWRENCE COMM ACTION	0.00	260.00-	260.00	0.00	0.00	0.00	0.00
33031	CWS-HOLYOKE SOC SECURITY	1,352.60	3,211.60-	1,859.00	0.00	0.00	0.00	0.00
33032	CWS-HOLYOKE YMCA	0.00	149.00-	149.00	0.00	0.00	0.00	0.00
33033	CWS-WATERTOWN PUBLIC LIB	0.00	150.60-	150.60	0.00	0.00	0.00	0.00
33034	CWS-WOODLAND COMM SCHOL	0.00	50.40-	50.40	0.00	0.00	0.00	0.00
33035	CWS-LEONARD MORSE HOSP	0.00	292.20-	292.20	0.00	0.00	0.00	0.00
33036	CWS-BROMLEY HEALTH WTM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33037	CWS-MASSACHUSETTS INTERN	702.96	3,720.00-	3,017.04	0.00	0.00	0.00	0.00
33038	CWS-MASS LEGAL SERVICES	96.60	0.00	96.60-	0.00	0.00	0.00	0.00
33039	CWS MASSACHUSETTS PIRG	282.00	1,366.50-	1,084.50	0.00	0.00	0.00	0.00



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33086	CWS-CAPE COD YMCA	0.00	509.80-	509.80	0.00	0.00	0.00	0.00
33087	CWS-MALDEN YMCA	0.00	364.80-	364.80	0.00	0.00	0.00	0.00
33088	CWS-WEST MEDFORD COU CTR	0.00	211.20-	211.20	0.00	0.00	0.00	0.00
33089	CWS-FRIENDS OF PRISONERS	0.00	108.00-	108.00	200.00	0.00	0.00	200.00-
33090	CWS-MASS REVIEW	0.00	566.65-	566.65	0.00	0.00	0.00	0.00
33091	CWS-ST JOSEPH'S CHURCH	0.00	127.40-	127.40	0.00	0.00	0.00	0.00
33092	CWS-FAMPSHIRE CORRECTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33093	CWS-WESTERN MA LEGAL SER	607.28	1,393.53-	776.25	0.00	0.00	0.00	0.00
33094	CWS-SCND DIST CT BRISTOL	0.00	218.40-	218.40	0.00	0.00	0.00	0.00
33095	CWS-AMHERST FOOD COOP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33096	CWS-BELCHERTOWN SCHOOL	1,680.11	7,707.50-	6,550.97	523.58	0.00	0.00	523.58-
33097	CWS-FULLER MENTAL HEALTH	65.40	0.00	65.40-	0.00	0.00	0.00	0.00
33098	CWS-WOMEN'S WORKS, INC	0.00	336.00-	336.00	0.00	0.00	0.00	0.00
33099	CWS-CAMBRIDGE DAY CARE	265.30	0.00	265.30-	0.00	0.00	0.00	0.00
33100	CWS-TUFTS MED SCHCOL	0.00	166.40-	166.40	0.00	0.00	0.00	0.00
33101	CWS-DORCHESTER HOUSE	264.00	264.00-	0.00	0.00	0.00	0.00	0.00
33102	CWS-EVERETT CITY HALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33103	CWS-AMHERST ASSESSORS	0.00	219.36-	219.36	0.00	0.00	0.00	0.00
33104	CWS-PROJECT ERR	0.00	72.80-	72.80	0.00	0.00	0.00	0.00
33105	CWS-TOWN OF NEWTON	0.00	183.60-	183.60	0.00	0.00	0.00	0.00
33106	CWS-FLORENCE V A HOSP	43.20	280.80-	237.60	0.00	0.00	0.00	0.00
33107	CWS-GEORGETOWN SCH DEPT	76.00	200.00-	124.00	0.00	0.00	0.00	0.00
33108	CWS-COMM SELF RELIANCE	0.00	216.00-	216.00	0.00	0.00	0.00	0.00
33109	CWS-NEIGHBORHOOD CTR	313.60	984.90-	671.30	0.00	0.00	0.00	0.00
33110	CWS-W ROXBURY COMM SCH	0.00	408.60-	408.60	0.00	0.00	0.00	0.00
33111	CWS-LINCOLN COMM SCHOOL	0.00	204.40-	204.40	0.00	0.00	0.00	0.00
33112	CWS-TOWN OF HAVERHILL	106.40	525.00-	418.60	0.00	0.00	0.00	0.00
33113	CWS-HILLSIDE DARE, INC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33114	CWS-JOYFUL ALTERNATIVES	167.50	0.00	167.50-	0.00	0.00	0.00	0.00
33115	CWS-LT GOVERNORS OFFICE	278.40	278.40-	0.00	0.00	0.00	0.00	0.00
33116	CWS-MAN & ENVIRONMENT	212.00	120.49-	0.00	91.51	0.00	0.00	91.51-
33117	CWS-MARLBORO REC DEPT	134.40	360.00-	225.60	0.00	0.00	0.00	0.00
33118	CWS-MA WELFARE OFFICES	0.00	629.65-	629.65	0.00	0.00	0.00	0.00
33119	CWS-8AD DEBTS - AMHERST	0.00	0.00	2,918.07	2,918.07	0.00	0.00	2,918.07-
33120	CWS-NEW BEDFORD LIBRARY	208.00	707.00-	499.00	0.00	0.00	0.00	0.00
33121	CWS-HUDSON REC DEPT	0.00	187.20-	187.20	0.00	0.00	0.00	0.00
33122	CWS-NORTHAMPTON CETA	135.45	601.65-	504.35	38.15	0.00	0.00	38.15-
33123	CWS-Y COUNTRY DAY CAMP	0.00	187.20-	187.20	0.00	0.00	0.00	0.00
33124	CWS-NORTHAMPTON ST HOSP	14.40	14.40-	0.00	0.00	0.00	0.00	0.00
33125	CWS-SOJOURN, INC	0.00	112.00-	128.80	16.80	0.00	0.00	16.80-
33126	CWS-HARLEM BRANCH YMCA	0.00	214.90-	214.90	0.00	0.00	0.00	0.00
33127	CWS-AMER LEGION POST 90	0.00	150.50-	150.50	0.00	0.00	0.00	0.00
33128	CWS-MALDEN REC DEPT	0.00	151.76-	151.76	0.00	0.00	0.00	0.00
33129	CWS-UNIT-UNIV ROWE CAMP	0.00	72.00-	72.00	0.00	0.00	0.00	0.00
33130	CWS-TUFTS-BOS STATE HOSP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33131	CWS-UMASS CREDIT UNION	0.00	131.60-	131.60	0.00	0.00	0.00	0.00







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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33178	CWS-HAMPSHIRE COUNTY COM	0.00	196.00-	156.00	0.00	0.00	0.00	0.00
33179	CWS-SOUTH END COMM CTR	75.00	75.00-	0.00	0.00	0.00	0.00	0.00
33180	CWS-FIELD MEMORIAL LIB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33181	CWS-NEWTON RECREATION	0.00	243.60-	243.60	0.00	0.00	0.00	0.00
33182	CWS-MAPLE VALLEY SCHOOL	0.00	212.00-	212.00	0.00	0.00	0.00	0.00
33183	CWS-NORWOOD HOSPITAL	0.00	226.80-	226.80	0.00	0.00	0.00	0.00
33184	CWS-QUABAUG VALLEY YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33185	CWS-MA TREE FARM COMM	38.15	339.50-	301.35	0.00	0.00	0.00	0.00
33186	CWS-FALMOUTH PUBLIC SCH	18.85	215.03-	196.18	0.00	0.00	0.00	0.00
33187	CWS-BROOKLINE HLTH DEPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33188	CWS-WESTFIELD PLAN DEPT	0.00	119.00-	119.00	0.00	0.00	0.00	0.00
33189	CWS-HAMPSHIRE REG YMCA	218.36	782.55-	564.19	0.00	0.00	0.00	0.00
33190	CWS-J & R GROSSMAN CAMP	78.40	280.00-	201.60	0.00	0.00	0.00	0.00
33191	CWS-CARD CUSHING HOSPIT	0.00	240.81-	240.81	0.00	0.00	0.00	0.00
33192	CWS-PINE CREST CAMP	0.00	369.60-	369.60	0.00	0.00	0.00	0.00
33193	CWS-PROVINCETOWN WOMEN	280.00	0.00	280.00-	0.00	0.00	0.00	0.00
33194	CWS-ST JOHNS CHILD CARE	136.80	492.90-	356.10	0.00	0.00	0.00	0.00
33195	CWS-ARCADIA WILDLIFE	114.48	256.40-	141.92	0.00	0.00	0.00	0.00
33196	CWS-CAMP HOWE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33197	CWS-EASTERN MIDDLESEX CP	93.01	245.21-	152.20	0.00	0.00	0.00	0.00
33198	CWS-WALLACE GYM CENTER	114.80	114.80-	0.00	0.00	0.00	0.00	0.00
33199	CWS-PITTSFIELD WATER COM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33200	CWS-HOTLINE PROJECT	264.00	25.00-	240.80	479.80	0.00	0.00	479.80-
33201	CWS-BURLINGTON REC DEPT	100.80	466.20-	365.40	0.00	0.00	0.00	0.00
33202	CWS-CHILDRENS AID & FAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33203	CWS-GREENFIELD YOUTH CTR	0.00	329.35-	329.35	0.00	0.00	0.00	0.00
33204	CWS-WILMINGTON MEM LIB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33205	CWS-LIB OF BOST ATHENAUM	323.40	877.10-	553.70	0.00	0.00	0.00	0.00
33206	CWS-FRANKLIN TRAINING CO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33207	CWS-DEDHAM PARK & REC	166.50	752.70-	586.20	0.00	0.00	0.00	0.00
33208	CWS-NETCCO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33209	CWS-HEW - BOSTON	0.00	199.50-	199.50	0.00	0.00	0.00	0.00
33210	CWS-ELIOT CLINIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33211	CWS-USOI (WASH-D.C.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33212	CWS-ENVIRONMENTAL CENTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33213	CWS-INSTIT FOR LABOR EO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33214	CWS-NORTHAMPTON REC DEPT	0.00	224.00-	224.00	0.00	0.00	0.00	0.00
33215	CWS-JONES LIBRARY	304.25	807.05-	502.80	0.00	0.00	0.00	0.00
33216	CWS-BENHAVEN SCHOOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33217	CWS-CLEVELAND/MARSHALL	283.00	1,124.20-	841.20	0.00	0.00	0.00	0.00
33218	CWS-BERKSHIRE SPORTS MED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33219	CWS-PELHAM REC DEPT	0.00	329.00-	329.00	0.00	0.00	0.00	0.00
33220	CWS-CCATV	183.19	236.01-	256.82	204.00	0.00	0.00	204.00-
33221	CWS-BOSTON PUBLIC LIB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33222	CWS-NORTHSHORE REG FAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33223	CWS-SO BOSTON BOYS CLUB	212.10	501.90-	289.80	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33224	CWS-URBAN INSTITUTE	217.95	217.95-	0.00	0.00	0.00	0.00	0.00
33225	CWS-MONTESSORI SCHOOL	0.00	168.00-	168.00	0.00	0.00	0.00	0.00
33226	CWS-SPRINGFLD WOMEN UN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33227	CWS-PARLBORO BOYS CLUB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33228	CWS-WILMINGTON MEM LIB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33229	CWS-UNIVERSITY OF LOWELL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33230	CWS-FAMILY PLANNING CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33231	CWS-SUMMERTHING (BOSTON)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33232	CWS-ALIANZA HISPANA	84.00	330.40-	246.40	0.00	0.00	0.00	0.00
33233	CWS-HELP LINE (N ADAMS)	105.60	303.60-	198.00	0.00	0.00	0.00	0.00
33234	CWS-PEOPLES BRIDGE/ATHCL	41.08	179.40-	138.32	0.00	0.00	0.00	0.00
33235	CWS-LOW INCOME PLANNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33236	CWS-S MIDDLESEX COUNCIL	126.00	126.00-	0.00	0.00	0.00	0.00	0.00
33237	CWS-COMMUNITY HOMES	0.00	489.64-	489.64	0.00	0.00	0.00	0.00
33238	CWS-M D C	159.20	159.20-	0.00	0.00	0.00	0.00	0.00
33239	CWS-USDA (HADLEY OFFICE)	156.80	380.80-	224.00	0.00	0.00	0.00	0.00
33240	CWS-ST ANDREWS CHURCH	0.00	142.10-	142.10	0.00	0.00	0.00	0.00
33241	CWS-CAMP KINGSWOOD	0.00	795.20-	795.20	0.00	0.00	0.00	0.00
33242	CWS-MEYMOUTH YOUTH OFF	162.80	0.00	0.00	162.80	0.00	0.00	162.80-
33243	CWS-DANIEL SHAY PROJECT	160.00	0.00	160.00-	0.00	0.00	0.00	0.00
33244	CWS-WALTHAM BOYS CLUB	604.80	1,623.70-	1,018.90	0.00	0.00	0.00	0.00
33245	CWS-8DS LITTLE CITY HALL	441.60	1,472.40-	1,030.80	0.00	0.00	0.00	0.00
33246	CWS-PLANNED PARENTHOOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33247	CWS-PITTSFIELD BOYS CLUB	236.00	1,429.00-	1,193.00	0.00	0.00	0.00	0.00
33248	CWS-GLOUCESTER REC	0.00	302.40-	302.40	0.00	0.00	0.00	0.00
33249	CWS-ANNE ARUNDEL CENTER	0.00	112.00-	112.00	0.00	0.00	0.00	0.00
33250	CWS-WDRG ASSOC RETARDED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33251	CWS-HAMPSHIRE CTY HOSP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33252	CWS-CHILDRENS MUSEUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33253	CWS-GREEN ACRES DAY CAMP	0.00	156.45-	156.45	0.00	0.00	0.00	0.00
33254	CWS-CAMP SHUNSHINE DAY	186.00	578.50-	392.50	0.00	0.00	0.00	0.00
33255	CWS-UNITAS	106.40	588.00-	481.60	0.00	0.00	0.00	0.00
33256	CWS-WTHS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33257	CWS-THRESHOLD	16.49	404.29-	387.80	0.00	0.00	0.00	0.00
33258	CWS-NEWTOWN CITIZENS OFF	358.40	0.00	196.00	554.40	0.00	0.00	554.40-
33259	CWS-BOSTON PARKS & REC	117.60	632.80-	481.60	33.60-	0.00	0.00	33.60
33260	CWS-NORTHFIELD-MT HERMON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33261	CWS-MA AUDUBON SOCIETY	0.00	658.80-	658.80	0.00	0.00	0.00	0.00
33262	CWS-EAST SIDE HOUSING	190.40	420.00-	229.60	0.00	0.00	0.00	0.00
33263	CWS-NY STATE/DEPT CONSER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33264	CWS-UM MEDICAL SCHOOL	431.52	1,236.81-	805.29	0.00	0.00	0.00	0.00
33265	CWS-LYNN ECON OPPORT CTR	139.20	158.40-	19.20	0.00	0.00	0.00	0.00
33266	CWS-BAYSTATE MEDICAL CTR	89.60	1,372.18-	1,282.58	0.00	0.00	0.00	0.00
33267	CWS-WOODSOCKET YMCA	108.00	108.00-	0.00	0.00	0.00	0.00	0.00
33268	CWS-LYNN RECREATION DEPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33269	CWS-PLYN-CARVER REG SCH	0.00	224.00-	224.00	0.00	0.00	0.00	0.00

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CURRENT FUNDS RESTRICTED								
33270	CWS-AMHERST COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33271	CWS-WALTHAM YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33272	CWS-ATTLEBORO REC DEPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33273	CWS-DARE SCHOOL	112.00	998.40-	886.40	0.00	0.00	0.00	0.00
33274	CWS-SPRINGFIELD YMCA	217.80	516.60-	697.20	398.40	0.00	0.00	398.40-
33275	CWS-LOWELL YMCA	78.40	401.40-	323.00	0.00	0.00	0.00	0.00
33276	CWS-KULTURAMA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33277	CWS-BRISTOL COMM COLLEGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33278	CWS-JEWISH LABOR COMMITT	0.00	159.60-	159.60	0.00	0.00	0.00	0.00
33279	CWS-UNH JOHNSON THEATER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33280	CWS-LBJ INTERNSHIP PGM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33281	CWS-CAPE COD CHILD DEV	0.00	246.40-	246.40	0.00	0.00	0.00	0.00
33282	CWS-MANPOWER	188.30	0.00	0.00	188.30	0.00	0.00	188.30-
33283	CWS-SOUTH SHORE OAY CARE	0.00	865.92-	865.92	0.00	0.00	0.00	0.00
33284	CWS-STOUGHTON REC DEPT	38.40	254.40-	216.00	0.00	0.00	0.00	0.00
33285	CWS-PROTESTANT GUILD	211.20	518.40-	307.20	0.00	0.00	0.00	0.00
33286	CWS-COMMUNITY TEAMWORK	0.00	320.60-	320.60	0.00	0.00	0.00	0.00
33287	CWS-HAMPSHIRE ED COLLAB	58.10	58.10-	0.00	0.00	0.00	0.00	0.00
33288	CWS-MEADOWLARK	0.00	761.10-	761.10	0.00	0.00	0.00	0.00
33289	CWS-RICHARDS MEM LIBRARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33290	CWS-BERKSHIRE FEMINIST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33291	CWS-AFSCM COUNCIL #14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33292	CWS-HADLEY PLANNING BD	14.00	123.20-	109.20	0.00	0.00	0.00	0.00
33293	CWS-CAMBRIDGE BASEBALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33294	CWS-RECYCLE FOR CHILDREN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33295	CWS-SENIOR CITIZENS CTR	37.00	313.65-	276.65	0.00	0.00	0.00	0.00
33296	CWS-RESIDENTIAL REHAB	249.60	140.20-	109.40-	0.00	0.00	0.00	0.00
33297	CWS-QUINCY COURT PROBATI	0.00	179.20-	179.20	0.00	0.00	0.00	0.00
33298	CWS-LOWER PIONEER VALLEY	220.14	709.01-	488.87	0.00	0.00	0.00	0.00
33299	CWS-THE COMMON SCHOOL	43.20	423.00-	379.80	0.00	0.00	0.00	0.00
33300	CWS-FRANKLIN CTY MENTAL	68.60	152.60-	84.00	0.00	0.00	0.00	0.00
33301	CWS-AMER LEGAL STUDIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33302	CWS-CITY STUDIO THEATRE	180.04	0.00	0.00	180.04	0.00	0.00	180.04-
33303	CWS-BAYSHORE YOUTH SERV	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33304	CWS-HUMAN SEXUALITY CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33305	CWS-SPRINGFIELD REC DEPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33306	CWS-OFF CONSUMER AFFAIRS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33307	CWS-HITCHCOCK CTR ENVIR	20.00	196.00-	176.00	0.00	0.00	0.00	0.00
33308	CWS-AMHERST ENGR DEPT	11.37	296.27-	296.10	11.20	0.00	0.00	11.20-
33309	CWS-LYNN YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33310	CWS-PHILLIPS ACADEMY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33311	CWS-FRANKLIN CTY PLANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33312	CWS-FOLK ARTS CTR OF N E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33313	CWS-NO AMHERST SHELTER	473.87	2,100.41-	1,647.54	21.00	0.00	0.00	21.00-
33314	CWS-HUDSON BOYS CLUB	65.70	230.70-	165.00	0.00	0.00	0.00	0.00
33315	CWS-N E LEARNING CTR	100.80	1,023.50-	522.70	0.00	0.00	0.00	0.00



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CURRENT FUNDS RESTRICTED								
33316	CMS-8R IDGEWATER FORESTRY	156.16	583.68-	427.52	0.00	0.00	0.00	0.00
33317	CMS-HALE HOSPITAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33318	CMS-MAYORS OFF/BROCKTON	205.15	1,193.10-	987.95	0.00	0.00	0.00	0.00
33319	CMS-TRANS SYSTEMS CENTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33320	CMS-MARLBORO GIRLS CLUB	209.10	548.70-	339.60	0.00	0.00	0.00	0.00
33321	CMS-HAMPSHIRE CTV ASSOC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33322	CMS-WORCESTER BOYS CLUB	86.80	319.20-	232.40	0.00	0.00	0.00	0.00
33323	CMS-N S JEWISH COMM CTR	358.40	1,361.80-	1,023.40	0.00	0.00	0.00	0.00
33324	CMS-PINE POINT COMMUNITY	61.50	61.50-	0.00	0.00	0.00	0.00	0.00
33325	CMS-AMHERST AGING COUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33326	CMS-ONEIDA COOP EXT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33327	CMS-N E CTR PERSONNEL	284.80	50.00-	234.80-	0.00	0.00	0.00	0.00
33328	CMS-WESTERN MASS COOPS	233.45	766.83-	545.98	12.60	0.00	0.00	0.00
33329	CMS-N E FARM WORKERS	21.25	21.25-	0.00	0.00	0.00	0.00	0.00
33330	CMS-HIGHLAND VAL ELDER	88.00	533.02-	445.02	0.00	0.00	0.00	0.00
33331	CMS-MARTHAS VINEYARD	358.15	917.80-	559.65	0.00	0.00	0.00	0.00
33332	CMS-BERKSHIRE CCM COLL	307.50	944.17-	636.67	0.00	0.00	0.00	0.00
33333	CMS-WETHERSFIELD	0.00	169.95-	169.95	0.00	0.00	0.00	0.00
33334	CMS-NEWSPAPER GUILD	110.40	206.40-	56.00	0.00	0.00	0.00	0.00
33335	CMS-MONTACHUSETT COUNCIL	108.00	256.50-	148.50	0.00	0.00	0.00	0.00
33336	CMS-GREATER LYNN SENIOR	0.00	257.25-	257.25	0.00	0.00	0.00	0.00
33337	CMS-WOMEN'S HEALTH	126.70	300.30-	173.60	0.00	0.00	0.00	0.00
33338	CMS-TOWN OF HUDSON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33339	CMS-EAST MOUNTAIN CTR	95.55	95.55-	0.00	0.00	0.00	0.00	0.00
33340	CMS-MONTACHUSETT G SCOUT	83.60	375.20-	291.60	0.00	0.00	0.00	0.00
33341	CMS-GUILD HALL/E HAMPTON	86.40	250.80-	164.40	0.00	0.00	0.00	0.00
33342	CMS-GROTONWOOD BAPTIST	0.00	480.00-	480.00	0.00	0.00	0.00	0.00
33343	CMS-MARY LANE HOSPITAL	75.00	183.25-	108.25	0.00	0.00	0.00	0.00
33344	CMS-TREAT/ALT STR CRIME	302.40	666.75-	364.35	0.00	0.00	0.00	0.00
33345	CMS-SOUTHERN CONN STATE	112.00	280.00-	168.00	0.00	0.00	0.00	0.00
33346	CMS-SOUTH MIDDLESEX	532.00	1,299.20-	767.20	0.00	0.00	0.00	0.00
33347	CMS-TOWN OF DENNIS GOLF	19.17	646.79-	627.62	0.00	0.00	0.00	0.00
33348	CMS-CLINTON	260.40	708.40-	448.00	0.00	0.00	0.00	0.00
33349	CMS-FALMOUTH ACADEMY	139.20	314.40-	175.20	0.00	0.00	0.00	0.00
33350	CMS-CALUMET LUTHERAN	44.80	274.40-	229.60	0.00	0.00	0.00	0.00
33351	CMS-UXBRIDGE	60.00	240.00-	180.00	0.00	0.00	0.00	0.00
33352	CMS-WOMEN'S HLTH CLINIC	83.30	269.15-	185.85	0.00	0.00	0.00	0.00
33353	CMS-AHAVATH TORAH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33354	CMS-BOYS & GIRLS CAMPS	0.00	220.80-	220.80	0.00	0.00	0.00	0.00
33355	CMS-PICNEER VALLEY ARC	146.30	387.10-	240.80	0.00	0.00	0.00	0.00
33356	CMS-USDA WHITE MOUNTAIN	26.00	208.00-	182.00	0.00	0.00	0.00	0.00
33357	CMS-FORBES LIBRARY	467.95	677.95-	210.00	0.00	0.00	0.00	0.00
33358	CMS-ROCKLAND PARK	0.00	588.00-	588.00	0.00	0.00	0.00	0.00
33359	CMS-JEWISH/LAWRENCE	0.00	246.40-	246.40	0.00	0.00	0.00	0.00
33360	CMS-EMENT CAMP & CONF	190.40	420.00-	229.60	0.00	0.00	0.00	0.00
33361	CMS-LAWRENCE	123.20	519.40-	396.20	0.00	0.00	0.00	0.00





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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33408	CWS-WALLACE CIVIC CENTER	139.20	331.20-	192.00	0.00	0.00	0.00	0.00
33409	CWS-ST LUKES HOSPITAL	260.04	713.91-	453.87	0.00	0.00	0.00	0.00
33410	CWS-DEPT OF THE ARMY	78.40	329.70-	251.30	0.00	0.00	0.00	0.00
33411	CWS-LAWRENCE HOSP DAY CA	105.60	237.90-	132.30	0.00	0.00	0.00	0.00
33412	CWS-PEOPLE'S NURSING	70.70	346.85-	276.15	0.00	0.00	0.00	0.00
33413	CWS-808 CHILDRENS CTR	42.00	156.00-	114.00	0.00	0.00	0.00	0.00
33414	CWS-MELROSE LIBRARY	101.20	264.00-	162.80	0.00	0.00	0.00	0.00
33415	CWS-GR HARTFORD ARC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33416	CWS-TOWN OF HOLDEN	92.00	252.00-	160.00	0.00	0.00	0.00	0.00
33417	CWS-U CONN HEALTH CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33418	CWS-LONG BEACH MEM HOSP	0.00	168.25-	168.25	0.00	0.00	0.00	0.00
33419	CWS-UNION MISSION	79.20	124.20-	45.00	0.00	0.00	0.00	0.00
33420	CWS-SUPPORT OF HUMAN	0.00	308.00-	308.00	0.00	0.00	0.00	0.00
33421	CWS-TOWN OF W BROOKFIELD	0.00	207.90-	207.90	0.00	0.00	0.00	0.00
33422	CWS-JOHNSTON REC DEPT	119.60	343.60-	224.00	0.00	0.00	0.00	0.00
33423	CWS-PITTSBURGH WOMENS	57.05	297.15-	240.10	0.00	0.00	0.00	0.00
33424	CWS-MAR DIMES MERRIMACH	100.80	324.80-	224.00	0.00	0.00	0.00	0.00
33425	CWS-HARRINGTON MEM HOSP	96.25	96.25-	0.00	0.00	0.00	0.00	0.00
33426	CWS-FALL RIVER REC	52.80	240.00-	187.20	0.00	0.00	0.00	0.00
33427	CWS-OIST COURT BRISTOL	133.89	326.58-	192.69	0.00	0.00	0.00	0.00
33428	CWS-WESTERN MASS LUNG	83.30	269.50-	186.20	0.00	0.00	0.00	0.00
33429	CWS-WILLIAMS/WHITEMAN	97.30	216.30-	119.00	0.00	0.00	0.00	0.00
33430	CWS-LAKEVILLE HOSPITAL	116.20	508.20-	392.00	0.00	0.00	0.00	0.00
33431	CWS-TOWN OF CONCORD	84.60	237.60-	153.00	0.00	0.00	0.00	0.00
33432	CWS-VOICE, INC	73.85	331.80-	257.95	0.00	0.00	0.00	0.00
33433	CWS-SOMERVILLE DAY CAMP	46.90	240.80-	193.90	0.00	0.00	0.00	0.00
33434	CWS-MALDEN YOUTH ACTION	0.00	311.50-	311.50	0.00	0.00	0.00	0.00
33435	CWS-REHAB CTR WORCESTER	105.60	297.60-	192.00	0.00	0.00	0.00	0.00
33436	CWS-SAUGUS SCHOOL DEPT	0.00	207.20-	207.20	0.00	0.00	0.00	0.00
33437	CWS-CETA LOWELL	532.00	1,945.30-	1,413.30	0.00	0.00	0.00	0.00
33438	CWS-92ND ST YM/YWCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33439	CWS-THEATER WORKSHOP	134.40	358.40-	224.00	0.00	0.00	0.00	0.00
33440	CWS-NAUSET REG SCHOOL	0.00	85.40-	85.40	0.00	0.00	0.00	0.00
33441	CWS-STATE LIBR OF MASS	144.00	535.50-	391.50	0.00	0.00	0.00	0.00
33442	CWS-WALTHAM SCHOOL DEPT	156.80	352.80-	196.00	0.00	0.00	0.00	0.00
33443	CWS-TOWN OF STOUGHTON	243.60	803.60-	560.00	0.00	0.00	0.00	0.00
33444	CWS-CANTON REC DEPT	0.00	124.02-	124.02	0.00	0.00	0.00	0.00
33445	CWS-SUNY/PATHOLOGY DEPT	91.20	292.80-	201.60	0.00	0.00	0.00	0.00
33446	CWS-JEFFRIES POINT	0.00	257.60-	257.60	0.00	0.00	0.00	0.00
33447	CWS-HAMPSHIRE COUNTY	279.30	670.70-	391.40	0.00	0.00	0.00	0.00
33448	CWS-WALTHAM LIBRARY	112.70	497.70-	385.00	0.00	0.00	0.00	0.00
33449	CWS-INST POLICY STUDIES	0.00	218.40-	218.40	0.00	0.00	0.00	0.00
33450	CWS-PARKWAY BOYS CLUB	301.25	700.00-	520.50	121.75	0.00	0.00	121.75-
33451	CWS-PUTNAM COUNTY TREAS	63.70	265.65-	201.95	0.00	0.00	0.00	0.00
33452	CWS-PROVIDENCE HOSPITAL	52.00	254.00-	202.00	0.00	0.00	0.00	0.00
33453	CWS-WEST MASS TRAINING	57.60	205.20-	147.60	0.00	0.00	0.00	0.00

UNIVERSITY OF MASSACHUSETTS ACCOUNTING SYSTEM REPORT

RUN DATE 03/26/81

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33454	CWS-NEEDHAM PARK & REC	0.00	220.00-	220.00	0.00	0.00	0.00	0.00
33455	CWS-CITIZENS/CITIZENS	41.24	223.82-	182.58	0.00	0.00	0.00	0.00
33456	CWS-SAFETY & HEALTH	78.40	268.80-	190.40	0.00	0.00	0.00	0.00
33457	CWS-HAMPSHIRE DIST COURT	379.98	477.62-	97.64	0.00	0.00	0.00	0.00
33458	CWS-NEWTON-CITIZEN ASSIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33459	CWS-YARMOUTH NAT RESOURC	48.00	232.80-	184.80	0.00	0.00	0.00	0.00
33460	CWS-NEWPORT HISTCRICAL	81.60	325.20-	243.60	0.00	0.00	0.00	0.00
33461	CWS-FIRST FEN STEPS	53.34	306.74-	253.40	0.00	0.00	0.00	0.00
33462	CWS-FORSYTH DENTAL CTR	90.50	246.50-	156.00	0.00	0.00	0.00	0.00
33463	CWS-LUDLOW PARK DEPT	91.80	446.84-	355.04	0.00	0.00	0.00	0.00
33464	CWS-S HADLEY LIBRARY	128.80	347.20-	218.40	0.00	0.00	0.00	0.00
33465	CWS-DORCHESTER CHILO CTR	0.00	91.20-	91.20	0.00	0.00	0.00	0.00
33466	CWS-NORTH MIDDLESEX COMM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33467	CWS-CETA INTAKE/REFERRAL	0.00	250.25-	250.25	0.00	0.00	0.00	0.00
33468	CWS-PAUL PRATT LIBRARY	0.00	106.50-	106.50	0.00	0.00	0.00	0.00
33469	CWS-JEWISH REHAB CTR	99.19	278.95-	179.76	0.00	0.00	0.00	0.00
33470	CWS-FERRY BEACH PARK	56.00	280.00-	224.00	0.00	0.00	0.00	0.00
33471	CWS-WOMENS ED CTR	74.20	273.35-	199.15	0.00	0.00	0.00	0.00
33472	CWS-MAYORS PUBLIC SER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33473	CWS-N ADAMS STATE COLLEG	78.40	352.80-	274.40	0.00	0.00	0.00	0.00
33474	CWS-UNIV OF MICHIGAN	196.00	364.00-	168.00	0.00	0.00	0.00	0.00
33475	CWS-S E MASS ADVOCACY	67.20	223.20-	156.00	0.00	0.00	0.00	0.00
33476	CWS-PLYM BAY GIRL SCOUT	31.50	163.25-	131.75	0.00	0.00	0.00	0.00
33477	CWS-OLD COL AMER RED CRO	44.00	380.60-	336.60	0.00	0.00	0.00	0.00
33478	CWS-PION VAL GIRL SCOUT	0.00	224.00-	224.00	0.00	0.00	0.00	0.00
33479	CWS-GATEWAY REG SCHOOL	0.00	193.60-	193.60	0.00	0.00	0.00	0.00
33480	CWS-WOBURN DPM	92.80	626.40-	533.60	0.00	0.00	0.00	0.00
33481	CWS-PITTSFIELD YMCA	20.80	603.20-	582.40	0.00	0.00	0.00	0.00
33482	CWS-SUNSHINE VILLAGE	61.60	106.40-	44.80	0.00	0.00	0.00	0.00
33483	CWS-D A'S OFFICE DEOHAM	0.00	274.40-	274.40	0.00	0.00	0.00	0.00
33484	CWS-PETER BENT BRIGHAM	0.00	274.40-	274.40	0.00	0.00	0.00	0.00
33485	CWS-GFLO COMMUNITY COLL	68.00	377.70-	309.70	0.00	0.00	0.00	0.00
33486	CWS-OLD COLONY YMCA	0.00	439.70-	439.70	0.00	0.00	0.00	0.00
33487	CWS-MA DIV FISH & WILDLF	0.00	242.19-	242.19	0.00	0.00	0.00	0.00
33488	CWS-CAPE ANN C OF C	0.00	225.60-	225.60	0.00	0.00	0.00	0.00
33489	CWS-AYER PARK DEPT	37.80	204.60-	166.80	0.00	0.00	0.00	0.00
33490	CWS-S W BOST SENIOR SERV	33.00	180.00-	147.00	0.00	0.00	0.00	0.00
33491	CWS-ST COLETTA OAY SCH	0.00	299.64-	299.64	0.00	0.00	0.00	0.00
33492	CWS-BERK HILLS CONFERENC	0.00	167.05-	167.05	0.00	0.00	0.00	0.00
33493	CWS-WOMENS EQUITY ACTION	0.00	255.72-	255.72	0.00	0.00	0.00	0.00
33494	CWS-EXEC OFF ENVIRON AFF	0.00	203.19-	203.19	0.00	0.00	0.00	0.00
33495	CWS-ATTORNEY GEN - BOST	0.00	439.85-	578.62	138.77	0.00	0.00	138.77-
33496	CWS-DIV OF ANIMAL HEALTH	0.00	220.50-	220.50	0.00	0.00	0.00	0.00
33497	CWS-WRIGHT INSTITUTE	0.00	142.10-	142.10	0.00	0.00	0.00	0.00
33498	CWS-FOLK ARTS CENTER	0.00	158.90-	158.90	0.00	0.00	0.00	0.00
33499	CWS-EARLY CHILD DEV CTR	37.80	200.40-	162.60	0.00	0.00	0.00	0.00



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33500	CWS-FED FY75(POST MATCH)	71,363.89	0.00	0.00	71,363.89	0.00	67,312.20-	4,051.69-
33501	CWS-FED FY75(03 MATCH)	11,647.86-	0.00	0.00	11,647.86-	0.00	11,647.86	0.00
33502	CWS-FED FY76(POST MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33503	CWS-FED FY76(03 MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33504	CWS-FED FY77(POST MATCH)	79,717.31	0.00	1,611.20	81,328.51	0.00	103,381.93-	22,053.42
33505	CWS-FED FY77(03 MATCH)	63,812.00	0.00	1,555.76-	61,856.24	0.00	61,856.24-	0.00
33506	CWS-FED FY78(POST MATCH)	0.00	767,128.71-	787,319.56	20,150.85	0.00	19,844.68-	346.17-
33507	CWS-FED FY78(03 MATCH)	0.00	315,720.00-	223,302.41	92,417.59-	0.00	93,062.19	644.60-
33508	CWS-JOB LOCATION PGM(79)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33509	CWS-JOB LOCATION PGM	0.00	4,113.20-	3,578.99	534.21-	0.00	559.19-	1,093.40
33510	CWS-BOSTON-OFF CAMPUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33511	CWS-BOSTON COMMUNITY SCH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33512	CWS-PINE ST INN, INC	0.00	100.80-	100.80	0.00	0.00	0.00	0.00
33513	CWS-BOSTON PUBLIC LIB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33514	CWS-BAO DEBTS - BOSTON	0.00	332.50-	13,294.69	12,962.19	0.00	0.00	12,962.19-
33515	CWS-BOS STATE HOSP FAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33516	CWS-MIT-WELLESLEY UP-BND	0.00	252.00-	252.00	0.00	0.00	0.00	0.00
33517	CWS-BOSTON YMCA	133.60	638.55-	371.35	133.60-	0.00	0.00	0.00
33518	CWS-QUINCY FORESTRY DEPT	0.00	107.80-	107.80	0.00	0.00	0.00	133.60
33519	CWS-CAMBRIDGE COMM SCH	150.80	352.80-	202.00	0.00	0.00	0.00	0.00
33520	CWS-DORCHESTER MENTAL H	0.00	253.50-	225.50	28.00-	0.00	0.00	0.00
33521	CWS-MASS BLACK CAUCUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33522	CWS-CHILDREN IN CRISIS	568.32	568.32-	0.00	0.00	0.00	0.00	0.00
33523	CWS-COMMUNITY ADVAN PROG	195.80	195.80-	0.00	0.00	0.00	0.00	0.00
33524	CWS-TOWN OF DEDHAM	3,702.31	0.00	3,702.31-	0.00	0.00	0.00	0.00
33525	CWS-DORCHESTER HOUSE	2,731.31	0.00	0.00	2,731.31	0.00	0.00	2,731.31-
33526	CWS-THE LITTLE HOUSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33527	CWS-MA INTERNSHIP PROG	852.52	0.00	2,027.48	2,880.00	0.00	2,880.00-	0.00
33528	CWS-BOS ZOOLOGICAL SOC	0.00	123.50-	156.00	32.50	0.00	0.00	32.50-
33529	CWS-NE HOME LITTLE HAND	161.70	657.30-	495.60	0.00	0.00	0.00	0.00
33530	CWS-EAST END HOUSE, INC.	0.00	188.98-	188.98	0.00	0.00	0.00	0.00
33531	CWS-MASS SOCIAL WORKERS	0.00	169.94-	169.94	0.00	0.00	0.00	0.00
33532	CWS-SUMMERTHING	599.77	0.00	599.77-	0.00	0.00	0.00	0.00
33533	CWS-TOWN OF WATERTOWN	0.00	93.60-	93.60	0.00	0.00	0.00	0.00
33534	CWS-CITY OF QUINCY	616.50	405.90-	210.60-	0.00	0.00	0.00	0.00
33535	CWS-TEEN EDUCATION CTR	195.25	0.00	195.25-	0.00	0.00	0.00	0.00
33536	CWS-NATL CTR ATTITUDE CG	951.75	0.00	0.00	951.75	0.00	0.00	951.75-
33537	CWS-BOSTON CITY COUNCIL	370.65	438.95-	50.30	18.00-	0.00	0.00	18.00
33538	CWS-HORIZONS FOR YOUTH	19.25	0.00	19.25-	0.00	0.00	0.00	0.00
33539	CWS-SOUTH END NEIGHBOR	232.10	462.00-	229.90	0.00	0.00	0.00	0.00
33540	CWS-BROOKLINE RECREATION	516.25	294.00-	222.25-	0.00	0.00	0.00	0.00
33541	CWS-CHARLES STREET MT HS	285.60	0.00	0.00	285.60	0.00	0.00	285.60-
33542	CWS-THE PEOPLES THEATRE	134.75	0.00	134.75-	0.00	0.00	0.00	0.00
33543	CWS-CITY OF REVERE	489.90	473.70-	16.20-	0.00	0.00	0.00	0.00
33544	CWS-COUNSELING SERVICES	0.00	120.00-	120.00	0.00	0.00	0.00	0.00
33545	CWS-HARVARD GRAD SCHOOL	0.00	203.00-	203.00	0.00	0.00	0.00	0.00





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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78

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FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33592	CWS-FRIENDS OF PRISONERS	95.20	407.20-	575.40	263.40	0.00	0.00	263.40-
33593	CWS-NAT ASSOC SOC WKS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33594	CWS-K L H	101.22	269.74-	168.52	0.00	0.00	0.00	0.00
33595	CWS-	66.50	0.00	66.50-	0.00	0.00	0.00	0.00
33596	CWS-CARNEY HOSPITAL	126.70	0.00	126.70-	0.00	0.00	0.00	0.00
33597	CWS-THOM MONTESSORI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33598	CWS-ROXBURY ACTION PGM	388.50	169.40-	12.60-	206.50	0.00	0.00	206.50-
33599	CWS-BOSTON HOUSING AUTH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33600	CWS-CAMBRIDGE YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33601	CWS-MUSEUM OF TRANS	86.80	86.80-	0.00	0.00	0.00	0.00	0.00
33602	CWS-SOMERVILLE HLTH PRGJ	320.60	320.60-	0.00	0.00	0.00	0.00	0.00
33603	CWS-SPEAKER MCGEE OFFICE	321.60	395.80-	74.20	0.00	0.00	0.00	0.00
33604	CWS-ROXBURY APAC	1,588.57	585.47-	963.90-	39.20	0.00	0.00	39.20-
33605	CWS PAIGE ACADEMY	401.80	0.00	401.80-	0.00	0.00	0.00	0.00
33606	CWS-UNIV FILM STUDY CTR	784.00	250.00-	0.00	534.00	0.00	0.00	534.00-
33607	CWS-ENERGY FACILITIES	0.00	69.00-	69.00	0.00	0.00	0.00	0.00
33608	CWS-LEAGUE SCHOOL BOSTON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33609	CWS-SEC OF COMM/TOUR DEP	429.79	684.59-	254.80	0.00	0.00	0.00	0.00
33610	CWS-CAMBRIDGE YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33611	CWS-TEEN CENTER	120.05	0.00	120.05-	0.00	0.00	0.00	0.00
33612	CWS-ROXBURY BASKETBALL	72.00	0.00	72.00-	0.00	0.00	0.00	0.00
33613	CWS-ECUMB	81.12	0.00	81.12-	0.00	0.00	0.00	0.00
33614	CWS-SURVIVAL, INC	674.20	881.70-	491.40	283.90	0.00	0.00	283.90-
33615	CWS-CLEVELAND-MARSHALL	713.40	2,275.60-	1,621.00	58.80	0.00	0.00	58.80-
33616	CWS-LENA PARK	420.94	312.54-	0.00	108.40	0.00	0.00	108.40-
33617	CWS-MA DEPT YOUTH SERV	0.00	82.95-	115.85	32.90	0.00	0.00	32.90-
33618	CWS-EAST NORFOLK COURT	687.40	0.00	0.00	687.40	0.00	0.00	687.40-
33619	CWS-NORTH ELLIOT CLINIC	352.64	352.64-	0.00	0.00	0.00	0.00	0.00
33620	CWS-ST PHILLIPS H S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33621	CWS-OUR PLACE TO GROW	95.20	259.00-	163.80	0.00	0.00	0.00	0.00
33622	CWS-MAY INSTITUTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33623	CWS-DORCHESTER HOUSE	257.10	553.90-	296.80	0.00	0.00	0.00	0.00
33624	CWS-WHIDDEN MEMORIAL HOS	91.00	0.00	0.00	0.00	0.00	0.00	0.00
33625	CWS-CHILDRENS MUSEUM	655.90	313.07-	222.07	0.00	0.00	0.00	0.00
33626	CWS-ROXBURY COURT	0.00	569.10-	0.00	86.80	0.00	0.00	86.80-
33627	CWS-MAYORS OFF-CULTURAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33628	CWS-LEE COMMUNITY SCHOOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33629	CWS-SOUTH BOSTON CITIZEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33630	CWS-WINTHROP TOWN HALL	393.51	393.51-	0.00	0.00	0.00	0.00	0.00
33631	CWS-COHASSET COMM CENTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33632	CWS-BROMLEY HEATH CO CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33633	CWS-AMERICAN BUDDHIST CR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33634	CWS-HARVARD HLTH CAREERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33635	CWS-DOR FLD OFF COMM SER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33636	CWS-GOVS OFF OF COMM SER	466.50	0.00	0.00	466.50	0.00	0.00	466.50-
33637	CWS-N ESSEX REGION COMPU	66.50	311.15-	244.65	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33638	CWS-BOSTON 200 REVOLUTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33639	CWS-INWARD BOUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33640	CWS-S C A L E	122.20	122.20	0.00	0.00	0.00	0.00	0.00
33641	CWS-SOMERVILLE DAY CAMP	106.40	805.70	659.30	0.00	0.00	0.00	0.00
33642	CWS-BROCKTON DIST COURT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33643	CWS-NATL ORG FOR WOMEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33644	CWS-AMEGO INC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33645	CWS-JACKSON-MANN COMM SH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33646	CWS-CAMBRIDGE COMM CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33647	CWS-NAACP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33648	CWS-WALT E FERNALD ST SH	106.80	290.75	278.85	94.90	0.00	0.00	94.90
33649	CWS-DORCHESTER YMCA	151.80	303.60	151.80	0.00	0.00	0.00	0.00
33650	CWS-PROJECT PLACE	376.16	600.16	224.00	0.00	0.00	0.00	0.00
33651	CWS-LEGAL SER-CAPE COD	361.20	361.20	0.00	0.00	0.00	0.00	0.00
33652	CWS-SHRINERS BURNS INST	476.00	476.00	0.00	0.00	0.00	0.00	0.00
33653	CWS-F I R S T INC	441.70	0.00	106.40	548.10	0.00	0.00	548.10
33654	CWS-HYDE PARK YMCA	256.20	515.20	259.00	0.00	0.00	0.00	0.00
33655	CWS-DORCHESTER DIST COURT	105.35	661.85	556.50	0.00	0.00	0.00	0.00
33656	CWS-PEACEFUL MOVEMENT	256.80	0.00	0.00	256.80	0.00	0.00	256.80
33657	CWS-CITIZEN INFO SER	540.14	539.99	0.15	0.00	0.00	0.00	0.00
33658	CWS-ECUMENICAL SOC ACT	439.80	439.80	0.00	0.00	0.00	0.00	0.00
33659	CWS-ASHWALOS HOUSE YMCA	52.85	278.60	225.75	0.00	0.00	0.00	0.00
33660	CWS-CONDON COMM SCHOOL	235.09	329.59	94.50	0.00	0.00	0.00	0.00
33661	CWS-FULL CIRCLE SCHOOL	21.70	21.70	0.00	0.00	0.00	0.00	0.00
33662	CWS-E NORFOLK DIST COURT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33663	CWS-MASS GENERAL HOSP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33664	CWS-DEPT OF MENTAL HLTH	200.20	0.00	0.00	200.20	0.00	0.00	200.20
33665	CWS-WATERTOWN PUB LIBRAR	155.25	155.25	0.00	0.00	0.00	0.00	0.00
33666	CWS-BOSTON REP THEATER	112.50	0.00	112.50	0.00	0.00	0.00	0.00
33667	CWS-SOMERVILLE COMM YTH	384.95	384.95	0.00	0.00	0.00	0.00	0.00
33668	CWS-LITTLE FOLKS DAYCARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33669	CWS-OFF CITIZEN PARTICIP	106.40	106.40	0.00	0.00	0.00	0.00	0.00
33670	CWS-TOWN OF MILTON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33671	CWS-TRINITY NEIGHBORHD	0.00	22.80	22.80	0.00	0.00	0.00	0.00
33672	CWS-PROJECT HEADWAY	100.20	100.20	0.00	0.00	0.00	0.00	0.00
33673	CWS-COMMITTEE ON BANKS	141.60	0.00	141.60	0.00	0.00	0.00	0.00
33674	CWS-ELKOS THERAPEUTIC	179.99	179.99	0.00	0.00	0.00	0.00	0.00
33675	CWS-BOSTON URBAN MIN/ACT	99.40	99.40	0.00	0.00	0.00	0.00	0.00
33676	CWS-US DEPT OF LABOR	5.70	5.70	0.00	0.00	0.00	0.00	0.00
33677	CWS-THEATER WORKSHOP	199.15	199.15	0.00	0.00	0.00	0.00	0.00
33678	CWS-RAMA DAY CARE	190.20	753.70	563.50	0.00	0.00	0.00	0.00
33679	CWS-S BOSTON BOYS CLUB	44.10	476.70	432.60	0.00	0.00	0.00	0.00
33680	CWS-ARLINGTON BOYS CLUB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33681	CWS-URBAN EDGE INC	140.00	263.20	123.20	0.00	0.00	0.00	0.00
33682	CWS-H C H S	163.20	163.20	0.00	0.00	0.00	0.00	0.00
33683	CWS-8RIDGE FUND INC	112.70	559.30	465.15	18.55	0.00	0.00	18.55



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CURRENT FUNDS RESTRICTED								
33684	CWS-MASS PORT AUTHORITY	48.00	942.00-	894.00	0.00	0.00	0.00	0.00
33685	CWS-ASHLAND COM CENTER	95.20	358.40-	263.20	0.00	0.00	0.00	0.00
33686	CWS-COLUMBIA PT HLTH CTR	85.40	265.65-	191.45	11.20	0.00	0.00	11.20-
33687	CWS-ACTION BOSTON COMMUN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33688	CWS-ST JUDE RESEARCH	134.40	728.00-	593.60	0.00	0.00	0.00	0.00
33689	CWS-SALVATION DAY CARE	63.00	296.80-	233.80	0.00	0.00	0.00	0.00
33690	CWS-BOSTON AID TO BLIND	0.00	215.25-	215.25	0.00	0.00	0.00	0.00
33691	CWS-NANTUCKET CON FOUNDA	93.45	143.85-	50.40	0.00	0.00	0.00	0.00
33692	CWS-LAWRENCE BOY CLUB	60.20	340.20-	280.00	0.00	0.00	0.00	0.00
33693	CWS-FLOW	61.60	280.00-	218.40	0.00	0.00	0.00	0.00
33694	CWS-PLYMOUTH CON FOUNDAT	95.20	347.20-	252.00	0.00	0.00	0.00	0.00
33695	CWS-CHILDS COMM DAY CARE	112.80	87.40-	159.00	184.40	0.00	0.00	184.40-
33696	CWS-VOLUNTARY DEFENDER C	0.00	105.00-	105.00	0.00	0.00	0.00	0.00
33697	CWS-ATTUCKS CHILDS CTR	95.20	678.30-	647.50	64.40	0.00	0.00	64.40-
33698	CWS-CHILDS CTR OF LEXINS	72.10	262.50-	190.40	0.00	0.00	0.00	0.00
33699	CWS-GTR BOSTON LEGAL SER	93.80	345.80-	252.00	0.00	0.00	0.00	0.00
33700	CWS-COMM TASK FORCE ON E	95.20	0.00	257.60	352.80	0.00	0.00	352.80-
33701	CWS-LONGVIEW FARM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33702	CWS-CHILDS DAY CARE CENT	78.32	248.60-	170.28	0.00	0.00	0.00	0.00
33703	CWS-ADOLESCENT COUNSELIN	72.80	336.00-	263.20	0.00	0.00	0.00	0.00
33704	CWS-SECT OF COMMONWEALTH	78.40	576.10-	497.70	0.00	0.00	0.00	0.00
33705	CWS-MUSEUM OF SCIENCE	47.45	432.57-	385.12	0.00	0.00	0.00	0.00
33706	CWS-DORCH CHILD DEVELOPM	48.00	134.40-	86.40	0.00	0.00	0.00	0.00
33707	CWS-ARLINGTON REC DEPT	0.00	195.00-	195.00	0.00	0.00	0.00	0.00
33708	CWS-WGBH-TV SAY BROTHER	72.80	324.80-	252.00	0.00	0.00	0.00	0.00
33709	CWS-TOWN OF STOUGHTON	74.20	527.10-	452.90	0.00	0.00	0.00	0.00
33710	CWS-CHOATE MEMORIAL HOSP	0.00	268.80-	268.80	0.00	0.00	0.00	0.00
33711	CWS-CHINESE VOCATIONAL E	32.40	165.60-	133.20	0.00	0.00	0.00	0.00
33712	CWS-CENTER HOUSE	89.60	598.50-	508.90	0.00	0.00	0.00	0.00
33713	CWS-ROXBURY COURT-CLINIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33714	CWS-WELFARE DEPARTMENT	0.00	272.40-	272.40	0.00	0.00	0.00	0.00
33715	CWS-CONCILIO HUMAN SERVC	0.00	364.00-	364.00	0.00	0.00	0.00	0.00
33716	CWS-DENISON HOUSE	0.00	528.40-	528.40	0.00	0.00	0.00	0.00
33717	CWS-SOMERVILLE YMCA	0.00	257.71-	257.71	0.00	0.00	0.00	0.00
33718	CWS-WALDEN YOUTH ACTION	0.00	268.80-	268.80	0.00	0.00	0.00	0.00
33719	CWS-JUST ARD THE CORNDR	0.00	322.00-	451.50	129.50	0.00	0.00	129.50-
33720	CWS-NASHUA FRESH AIR CAM	0.00	203.52-	203.52	0.00	0.00	0.00	0.00
33721	CWS-CAMBRDG MONTESORI	0.00	207.20-	207.20	0.00	0.00	0.00	0.00
33722	CWS-COMM SERVICES ADMIN	0.00	33.60-	33.60	0.00	0.00	0.00	0.00
33723	CWS-BROOKSIDE PARK FAHIL	0.00	241.15-	241.15	0.00	0.00	0.00	0.00
33724	CWS-BOSTON DEPT OF HOSPI	0.00	259.00-	259.00	0.00	0.00	0.00	0.00
33725	CWS-ROXDOOR COMM BEATIFIC	0.00	0.00	160.30	160.30	0.00	0.00	160.30-
33726	CWS-CAMBRIDGE CAMPING	0.00	341.95-	341.95	0.00	0.00	0.00	0.00
33727	CWS-ELLIS MEMORIAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33728	CWS-TUFTS UNIV MED CTR	0.00	31.15-	31.15	0.00	0.00	0.00	0.00
33729	CWS-DARE, INC	0.00	103.60-	103.60	0.00	0.00	0.00	0.00



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33730	CWS-S BOS NEIGHBOR HOUSE	0.00	162.05-	162.05	0.00	0.00	0.00	0.00
33731	CWS-LITTLE FLAGS THEATER	0.00	166.95-	166.95	0.00	0.00	0.00	0.00
33732	CWS-LIV FOLK RECORDS & C	0.00	0.00	70.00	70.00	0.00	0.00	70.00-
33733	CWS-CLARK UNIVERSITY	0.00	342.30-	342.30	0.00	0.00	0.00	0.00
33734	CWS-SUFFOLK CTY EXT SERV	0.00	108.60-	108.60	0.00	0.00	0.00	0.00
33735	CWS-FITCHBURG REHAB CTR	0.00	238.60-	238.60	0.00	0.00	0.00	0.00
33736	CWS-ASSOC NEIGHBOR LAW	0.00	123.20-	123.20	0.00	0.00	0.00	0.00
33737	CWS-NEIGHBORHOOD INVOLVE	0.00	12.90-	12.90	0.00	0.00	0.00	0.00
33738	CWS-MALPRACTICE COMMISS	0.00	67.65-	119.79	52.14	0.00	0.00	52.14-
33739	CWS-FEDERAL REG COUNCIL	0.00	0.00	212.80	212.80	0.00	0.00	212.80-
33740	CWS-FINE ART CENTER	0.00	15.90-	15.90	0.00	0.00	0.00	0.00
33741	CWS-MASS DISCRIMINATION	0.00	22.90-	22.90	0.00	0.00	0.00	0.00
33802	CWS-FED FY76(POST MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33803	CWS-FED FY76(POST MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33804	CWS-FED FY77(POST MATCH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33805	CWS-FED FY77(POST MATCH)	9,599.00	0.00	1.00	9,600.00	0.00	9,600.00-	0.00
33806	CWS-FED FY78(POST MATCH)	0.00	7,045.41-	7,428.53	383.12	0.00	2,070.51	2,453.63-
33807	CWS-FED FY78(POST MATCH)	0.00	13,000.00-	48,951.80	24,048.20-	0.00	24,136.20	88.00-
33810	CWS-WORCESTER-OFF CAMPUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33811	CWS-FARBER CANCER CENTER	0.00	308.00-	308.00	0.00	0.00	0.00	0.00
33812	CWS-SWAMPSCOTT PUB LIB	0.00	45.36-	45.36	0.00	0.00	0.00	0.00
33813	CWS-SOUTHWICK PUB SCHCL	0.00	79.50-	79.50	0.00	0.00	0.00	0.00
33814	CWS-BERK NAT RESOURCES	0.00	340.00-	340.00	0.00	0.00	0.00	0.00
33815	CWS-STATE REP T LUSSIER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33816	CWS-NONOTUCK CHILD CARE	0.00	56.79-	56.79	0.00	0.00	0.00	0.00
33817	CWS-JEWISH FAMILY SERVIC	0.00	25.20-	25.20	0.00	0.00	0.00	0.00
33818	CWS-UNITED PLANNING ORG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33819	CWS-WOODS HOLE OCEAN	0.00	121.94-	121.94	0.00	0.00	0.00	0.00
33820	CWS-FALL RIVER FAM PLAN	0.00	46.20-	46.20	0.00	0.00	0.00	0.00
33821	CWS-U M MED SCHOOL LIB	0.00	0.00	43.20	43.20	0.00	0.00	43.20-
33822	CWS-TUFTS DENTAL LIBRARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33823	CWS-HOLY TRINITY YOUTH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33824	CWS-PROJECT HELP HYANNIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33825	CWS-STATE REP. NAGLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33826	CWS-C E PROJ. WMASS TRNG	0.00	0.00	119.66	119.66	0.00	0.00	119.66-
33827	CWS-WESTFLO RIVER WATER	0.00	280.50-	274.95	5.55-	0.00	0.00	5.55
33828	CWS-BOS VIDEO FCUNDATION	0.00	430.15-	444.15	14.00	0.00	0.00	14.00-
33829	CWS-FALMOUTH CONSERVATIO	0.00	156.00-	156.00	0.00	0.00	0.00	0.00
33830	CWS-CTR INTER-AMER RELAT	0.00	160.00-	160.00	0.00	0.00	0.00	0.00
33831	CWS-AMHERST YOUTH CENTER	0.00	109.80-	109.80	0.00	0.00	0.00	0.00
33832	CWS-BRIDGE FUND, INC	0.00	50.40-	78.40	28.00	0.00	0.00	28.00-
33833	CWS-FARM AND WILDERNESS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33834	CWS-FIVE COLLEGE DANCE	0.00	61.60-	61.60	0.00	0.00	0.00	0.00
33835	CWS-FRANKLN-HAMP MENTAL H	0.00	176.40-	154.40	18.00	0.00	0.00	18.00-
33836	CWS-COMM HOMES BLCHRTOWN	0.00	370.13-	370.13	0.00	0.00	0.00	0.00
33837	CWS-N ENG FORESTRY FOUND	0.00	264.46-	264.46	0.00	0.00	0.00	0.00
			65.80-	65.80	0.00	0.00	0.00	0.00



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33884	CWS-MARSHFIELD RECREATIC	121.45	356.65-	235.20	0.00	0.00	0.00	0.00
33885	CWS-ACAD PERFORMING ARTS	43.20	240.00-	156.80	0.00	0.00	0.00	0.00
33886	CWS-LYNN COMMUNITY HEALT	93.10	251.65-	158.55	0.00	0.00	0.00	0.00
33887	CWS-NJ SHAKESPEAR FEST	124.80	312.00-	187.20	0.00	0.00	0.00	0.00
33888	CWS-MILLIS PUB SCHOOLS	0.00	38.40-	38.40	0.00	0.00	0.00	0.00
33889	CWS-CTR HUMAN DEVELOPMNT	0.00	720.16-	720.16	0.00	0.00	0.00	0.00
33890	CWS-ACTION BOS COMM DEV	86.40	242.70-	156.30	0.00	0.00	0.00	0.00
33891	CWS-SOMERVILLE YMCA	0.00	84.60-	164.40	79.80	0.00	0.00	79.80-
33892	CWS-CTR ECOLOGICAL TECHN	0.00	0.00	168.00	168.00	0.00	0.00	168.00-
33893	CWS-N ATTLEBORO D P W	65.85	225.61-	159.76	0.00	0.00	0.00	0.00
33894	CWS-EDUC BROADCAST CORP	128.80	226.10-	57.30	0.00	0.00	0.00	0.00
33895	CWS-REG PROBATION CASE	76.00	236.00-	160.00	0.00	0.00	0.00	0.00
33896	CWS-DECOROVA MUSEUM SCH	106.40	274.40-	168.00	0.00	0.00	0.00	0.00
33897	CWS-RICHARDS MEM LIBRARY	35.47	157.57-	122.10	0.00	0.00	0.00	0.00
33898	CWS-COUNCIL YOUTH NEEDS	84.70	204.05-	119.35	0.00	0.00	0.00	0.00
33899	CWS-MEDFORD PUB LIBRARY	58.80	225.40-	151.10	24.50	0.00	0.00	24.50-
33900	CWS-TOWN OF BELMONT	51.67	283.39-	231.72	0.00	0.00	0.00	0.00
33901	CWS-WAKEFIELD YMCA CAMP	0.00	446.40-	446.40	0.00	0.00	0.00	0.00
33902	CWS-FELLSWAY INN	58.80	176.40-	117.60	0.00	0.00	0.00	0.00
33903	CWS-CITY OF PEABODY	121.82	692.68-	570.86	0.00	0.00	0.00	0.00
33904	CWS-EVERETT REC DEPT	72.80	247.80-	175.00	0.00	0.00	0.00	0.00
33905	CWS-RFK ACTION DIAGNOST	56.00	420.00-	364.00	0.00	0.00	0.00	0.00
33906	CWS-AMER FIELD SERVICE	24.32	109.01-	84.69	0.00	0.00	0.00	0.00
33907	CWS-CHILD CTR BROOKLINE	40.00	172.00-	132.00	0.00	0.00	0.00	0.00
33908	CWS-TOWN OF ABINGTON	0.00	157.80-	157.80	0.00	0.00	0.00	0.00
33909	CWS-WORCESTER SCIENCE	64.50	97.00-	32.50	0.00	0.00	0.00	0.00
33910	CWS-GIRL SCOUTS GENESEE	50.40	204.00-	153.60	0.00	0.00	0.00	0.00
33911	CWS-HAVERHILL PUB L18	0.00	262.09-	262.09	0.00	0.00	0.00	0.00
33912	CWS-WORCESTER HIST SOC	115.20	312.00-	196.80	0.00	0.00	0.00	0.00
33913	CWS-NORMATIVE AGING STDY	104.00	182.00-	192.40	114.40	0.00	0.00	114.40-
33914	CWS-SOUTH SHORE CTR	0.00	205.80-	205.80	0.00	0.00	0.00	0.00
33915	CWS-HANDOVER BOARD HEALTH	130.90	322.35-	191.45	0.00	0.00	0.00	0.00
33916	CWS-GOODWILL INDUSTRIES	156.00	513.17-	357.17	0.00	0.00	0.00	0.00
33917	CWS-SOUTHMORE MED CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33918	CWS-ST CAMILLUS HOSPITAL	43.20	240.00-	196.80	0.00	0.00	0.00	0.00
33919	CWS-SPFLD BOYS CLUB	22.40	533.50-	511.10	0.00	0.00	0.00	0.00
33920	CWS-MASS DEPT OF ENV MGT	78.40	591.50-	518.10	465.00	0.00	0.00	465.00-
33921	CWS-LEOMINSTER PUB L18	20.00	236.00-	216.00	0.00	0.00	0.00	0.00
33922	CWS-HAMMOND MUSEUM INC	0.00	261.60-	261.60	0.00	0.00	0.00	0.00
33923	CWS-TOWN OF WATERTOWN	0.00	154.00-	154.00	0.00	0.00	0.00	0.00
33924	CWS-MAYNARD HEALTH BOARD	67.20	238.70-	171.50	0.00	0.00	0.00	0.00
33925	CWS-WESTER-PAWCATUCK YMC	0.00	170.00-	170.00	0.00	0.00	0.00	0.00
33926	CWS-SW BOSTON COMMUNITY	113.20	0.00	607.42	720.62	0.00	0.00	720.62-
33927	CWS-NORWOOD HOUSING AUTH	39.60	154.00-	114.40	0.00	0.00	0.00	0.00
33928	CWS-BOS BTOMED RESEARCH	72.80	235.20-	274.40	112.00	0.00	0.00	112.00-
33929	CWS-TRI-COMMUNITY YMCA	0.00	273.24-	273.24	0.00	0.00	0.00	0.00



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33930	CWS-PARKER RIVER REFUGE	0.00	308.00-	308.00	0.00	0.00	0.00	0.00
33931	CWS-INCENTIVE COMMUNITY	42.90	250.20-	207.30	0.00	0.00	0.00	0.00
33932	CWS-HARVARD LAW SCHOOL	128.80	358.40-	229.60	0.00	0.00	0.00	0.00
33933	CWS-A JOHNSON ALCOHOL	0.00	273.60-	273.60	0.00	0.00	0.00	0.00
33934	CWS-HARBORLIGHT HOUSE	75.60	272.40-	196.80	0.00	0.00	0.00	0.00
33935	CWS-CODE COMMUN RESOURSE	106.40	341.60-	235.20	0.00	0.00	0.00	0.00
33936	CWS-MASS MIGRANT ED PRGM	0.00	101.85-	101.85	0.00	0.00	0.00	0.00
33937	CWS-GIRL SCOUTS DELAWARE	0.00	196.00-	196.00	0.00	0.00	0.00	0.00
33938	CWS-THE ALLEN SCHOOL	48.65	495.95-	735.70	288.40	0.00	0.00	288.40-
33939	CWS-HOGAN REGIONAL CTR	0.00	485.80-	485.80	0.00	0.00	0.00	0.00
33940	CWS-TOWN OF BELCHERTOWN	121.20	408.85-	287.65	0.00	0.00	0.00	0.00
33941	CWS-PANACHE, INC	56.00	274.40-	218.40	0.00	0.00	0.00	0.00
33942	CWS-PROJECT HIRE	0.00	264.00-	264.00	0.00	0.00	0.00	0.00
33943	CWS-TOWN OF FRAMINGHAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33944	CWS-WAKEFIELD REC DEPT	0.00	176.00-	176.00	0.00	0.00	0.00	0.00
33945	CWS-UNIV PLACEMENT OFF	42.25	149.25-	107.00	0.00	0.00	0.00	0.00
33946	CWS-BOSTON ARTS GROUP	134.40	672.00-	537.60	0.00	0.00	0.00	0.00
33947	CWS-ATTLEBORD MENTAL HEA	50.40	76.80-	26.40	0.00	0.00	0.00	0.00
33948	CWS-TOWN OF WESTMINSTER	76.16	266.56-	190.40	0.00	0.00	0.00	0.00
33949	CWS-SPARTANBURG YMCA	56.00	188.00-	132.00	0.00	0.00	0.00	0.00
33950	CWS-ADIRONACK AGENCY	0.00	330.40-	330.40	0.00	0.00	0.00	0.00
33951	CWS-BURLINGTON PUBLIC SC	0.00	165.25-	165.25	0.00	0.00	0.00	0.00
33952	CWS-LEARNING GUILD	48.00	0.00	235.20	283.20	0.00	0.00	283.20-
33953	CWS-80ST CHILD MUSEUM	354.90	1,224.30-	869.40	0.00	0.00	0.00	0.00
33954	CWS-SUNY/GENESE0	140.00	199.50-	59.50	0.00	0.00	0.00	0.00
33955	CWS-FIDELITY HOUSE	0.00	587.25-	587.25	0.00	0.00	0.00	0.00
33956	CWS-MASS GENERAL HOSP	26.56	189.55-	162.99	0.00	0.00	0.00	0.00
33957	CWS-NANTUCKET HIST ASSOC	0.00	211.20-	211.20	0.00	0.00	0.00	0.00
33958	CWS-VILLAGE OF MINEOLA	0.00	173.25-	173.25	0.00	0.00	0.00	0.00
33959	CWS-THE ARNOLD ARBORETUM	0.00	378.31-	378.31	0.00	0.00	0.00	0.00
33960	CWS-WILMINGTON PUB BUILO	0.00	216.00-	216.00	0.00	0.00	0.00	0.00
33961	CWS-CAMBRIDGE ECON OPPOR	0.00	240.10-	240.10	0.00	0.00	0.00	0.00
33962	CWS-FISHERIES DEV CORPS	20.80	220.48-	199.68	0.00	0.00	0.00	0.00
33963	CWS-UNIVERSITY YMCA	0.00	67.50-	67.50	0.00	0.00	0.00	0.00
33964	CWS-WESTERN REG PUB LIB	0.00	247.04-	247.04	0.00	0.00	0.00	0.00
33965	CWS-TOWN OF BEDFORD RECR	0.00	132.60-	132.60	0.00	0.00	0.00	0.00
33966	CWS-NORTH BERK FAM YMCA	0.00	180.00-	180.00	0.00	0.00	0.00	0.00
33967	CWS-AMER CANCER ASSOC	0.00	240.64-	240.64	0.00	0.00	0.00	0.00
33968	CWS-WORCESTER YMCA	0.00	96.79-	96.79	0.00	0.00	0.00	0.00
33969	CWS-CONN CITIZEN ACTION	0.00	0.00	176.00	176.00	0.00	0.00	176.00-
33970	CWS-ALBANY PUB LIBRARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33971	CWS-COMM & REG OPP PRGM	0.00	80.40-	80.40	0.00	0.00	0.00	0.00
33972	CWS-CO-OP FUND NEW ENG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33973	CWS-MILLIS HOUSING AUTH	0.00	156.30-	156.30	0.00	0.00	0.00	0.00
33974	CWS-BROOKLINE HEALTH DEP	0.00	262.50-	262.50	0.00	0.00	0.00	0.00
33975	CWS-OUR LADY OF PROV	0.00	175.70-	175.70	0.00	0.00	0.00	0.00



GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUNC BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	CTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
33976	CWS-CAMBRIDGE REC DEPT	0.00	247.10-	270.86	23.76	0.00	0.00	23.76-
33977	CWS-NEW BEDFORD ENGRNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33978	CWS-US FOREST SERVICE	0.00	234.00-	234.00	0.00	0.00	0.00	0.00
33979	CWS-BROWARD CNTY YMCA	0.00	224.00-	224.00	0.00	0.00	0.00	0.00
33980	CWS-ACTION CENTER	0.00	252.00-	252.00	0.00	0.00	0.00	0.00
33981	CWS-DIXFIELD POLICE DEPT	0.00	380.80-	380.80	0.00	0.00	0.00	0.00
33982	CWS-N ADAMS HWY DEPT	0.00	69.05-	69.05	0.00	0.00	0.00	0.00
33983	CWS-RIVERSIDE INDUSTRIES	40.50	305.20-	264.70	0.00	0.00	0.00	0.00
33984	CWS-CHILD WITH SPEC NEED	0.00	604.80-	604.80	0.00	0.00	0.00	0.00
33985	CWS-NHAMP CTR FOR CHILD	0.00	985.95-	585.95	0.00	0.00	0.00	0.00
33986	CWS-CAMBRIDGE REDEV AUTH	0.00	396.41-	396.41	0.00	0.00	0.00	0.00
33987	CWS-SHORE COLLABERATIVE	0.00	492.80-	492.80	0.00	0.00	0.00	0.00
33988	CWS-CORES, INC.	0.00	184.80-	212.80	28.00	0.00	0.00	28.00-
33989	CWS-CHELSEA PARK DEPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33990	CWS-PLYMOUTH CONSERVATIO	0.00	168.00-	168.00	0.00	0.00	0.00	0.00
33991	CWS-WILWOOD NATURE CTR	0.00	252.00-	252.00	0.00	0.00	0.00	0.00
33992	CWS-UNIV OF VERMONT ENGR	0.00	271.05-	271.05	0.00	0.00	0.00	0.00
33993	CWS-CETA OF FALL RIVER	0.00	142.10-	142.10	0.00	0.00	0.00	0.00
33994	CWS-AMERICAN RED CROSS	0.00	254.80-	254.80	0.00	0.00	0.00	0.00
33995	CWS-SO MAINE INDIAN ASSO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33996	CWS-GOLDEN AGE CENTER	0.00	187.20-	187.20	0.00	0.00	0.00	0.00
33997	CWS-FAY SCHOOL DAY CAMP	0.00	163.80-	163.80	0.00	0.00	0.00	0.00
33998	CWS-CAMP LANDROVER	0.00	184.10-	184.10	0.00	0.00	0.00	0.00
33999	CWS-BRAINTREE PARK DEPT	0.00	72.00-	72.00	0.00	0.00	0.00	0.00
34005	BANKHEAD-JONES CONTROL76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34006	BANKHEAD-JONES CONTROL77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34007	BANKHEAD-JONES CONTROL78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34015	BANKHEAD-JONES WORC FY76	1.08-	0.00	0.00	1.08-	0.00	0.00	1.08
34016	BANKHEAD-JONES WORC FY77	4,760.85-	0.00	0.00	1.71-	0.00	0.00	1.71
34017	BANKHEAD-JONES WORC FY78	0.00	0.00	0.00	8,000.00-	0.00	0.00	8,000.00
34028	BANKHEAD-JONES AMH FY76	143,656.00-	0.00	143,656.00	0.00	0.00	0.00	0.00
34029	BANKHEAD-JONES AMH FY76	142,109.16-	0.00	1,546.84	0.00	0.00	0.00	0.00
34030	BANKHEAD-JONES AMH FY77	181,615.00-	0.00	181,615.00	0.00	0.00	0.00	0.00
34031	BANKHEAD-JONES AMH FY77	0.00	181,615.00-	172,166.10	5,448.90-	0.00	0.00	9,448.90
34032	BANKHEAD-JONES AMH FY78	0.00	185,879.00-	185,879.00	0.00	0.00	0.00	0.00
34033	BANKHEAD-JONES AMH FY78	0.00	185,879.00-	0.00	185,879.00-	0.00	0.00	185,879.00
34036	BANKHEAD-JONES BOS FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34037	BANKHEAD-JONES BOS FY77	54,175.00-	0.00	0.00	54,175.00-	0.00	0.00	54,175.00
34038	BANKHEAD-JONES BOS FY78	0.00	0.00	0.00	50,000.00-	0.00	0.00	50,000.00
34114	LAND GRANT CONTROL FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34115	LAND GRANT CONTROL FY77	7,300.00-	0.00	7,300.00	3,650.00-	0.00	3,650.00	0.00
34116	LAND GRANT CONTROL FY78	0.00	7,300.00-	7,300.00	0.00	0.00	0.00	0.00
34136	LAND GRANT AMHERST FY76	7,300.00-	0.00	6,486.93	0.00	0.00	0.00	0.00
34137	LG-LIBRARY FY76	813.07	7,300.00-	7,300.00	0.00	0.00	0.00	0.00
34138	LAND GRANT AMHERST FY77	0.00	7,300.00-	7,287.69	12.31-	0.00	0.00	12.31
34139	LG-LIBRARY FY77	0.00	7,300.00-	0.00	0.00	0.00	0.00	0.00

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FUND	ACCOUNT DESCRIPTION	07/01/77 FUNC BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
34140	LAND GRANT AMHERST FY78	0.00	3,650.00-	3,650.00	0.00	0.00	0.00	0.00
34141	LG-LIBRARY FY78	0.00	3,650.00-	0.00	3,650.00-	0.00	0.00	3,650.00
34223	MORRILL-NELSON CONTROL76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34224	MORRILL-NELSON CONTROL77	33,333.33-	0.00	33,333.33	0.00	0.00	0.00	0.00
34225	MORRILL-NELSON CONTROL78	0.00	33,333.33-	33,333.33	0.00	0.00	0.00	0.00
34246	MORRILL-NELSON AMH FY76	33,333.33-	0.00	33,333.33	0.00	0.00	0.00	0.00
34247	MN-LIBRARY FY76	33,332.33	33,333.33-	1.00	0.00	0.00	0.00	0.00
34248	MORRILL-NELSON AMH FY77	0.00	33,333.33-	33,333.33	0.00	0.00	0.00	0.00
34249	MN-LIBRARY	0.00	33,333.33-	33,333.33	0.00	0.00	0.00	0.00
34250	MORRILL-NELSON AMH FY78	0.00	33,333.33-	33,333.33	0.00	0.00	0.00	0.00
34251	MN-LIBRARY FY78	0.00	33,333.33-	33,333.33	0.00	0.00	0.00	0.00
34327	SMITH-HUGHES CONTROLFY7	0.00	33,333.33-	25,959.93	7,373.40-	0.00	0.00	7,373.40
34329	VCIP INSTRUCTION AMH 74	939.48-	0.00	0.00	0.00	0.00	0.00	0.00
34333	VCIP INSTR/AMH FY75	97.44-	0.00	97.44	0.00	0.00	0.00	939.48
34335	VCIP/INSTR/BOB FY75	885.35-	0.00	841.92	43.43-	0.00	0.00	43.43
34336	VCIP/VAO/AMH FY76	44,572.80	44,572.80-	0.00	0.00	0.00	0.00	0.00
34337	VCIP/INST/SAO/AMH FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34338	VCIP/INST/BOIS/AMH FY76	2,120.59-	0.00	2,120.59	0.00	0.00	0.00	0.00
34339	VCIP/VAO/BOSTON FY76	38,383.08	38,383.08-	0.00	0.00	0.00	0.00	0.00
34340	VCIP/INST/BOSTON FY76	982.93-	0.00	876.01	106.92-	0.00	0.00	106.92
34341	VCIP/VAO/AMH FY77	5,328.71-	0.00	5,328.71	0.00	0.00	0.00	0.00
34342	VCIP/INST/SAO/AMH FY77	7,704.00-	0.00	7,704.00	0.00	0.00	0.00	0.00
34343	VCIP/INST/BOIS/AMH FY77	3,000.00-	0.00	3,000.00	0.00	0.00	0.00	0.00
34344	VCIP/VAO/BOSTON FY77	1,805.24-	0.00	828.94	976.30-	976.30	0.00	0.00
34345	VCIP/INST/BOSTON FY77	5,628.08-	0.00	9,479.60	148.48-	148.48	0.00	0.00
34350	VCIP/VAO/AMH FY78	0.00	56,779.00-	49,786.92	6,992.08-	6,992.08	0.00	0.00
34351	VCIP/INST/SAO/AMH FY78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34352	VCIP/INST/BOIS/AMH FY78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34360	VCIP/VAO/BOSTON FY78	0.00	49,419.00-	42,550.91	6,868.09-	6,868.09	0.00	0.00
34361	VCIP/INST/BOSTON FY78	0.00	4,002.00-	0.00	4,002.00-	4,002.00	0.00	0.00
34500	SMITH-LEVER CONTROL FY73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34503	SMITH-LEVER CONTROL FY76	4,418.32-	0.00	4,418.32	0.00	0.00	0.00	0.00
34504	SMITH-LEVER CONTROL FY77	859,008.00-	354,140.27-	1205,608.62	7,539.65-	7,539.65	0.00	0.00
34505	SMITH-LEVER CONTROL FY78	0.00	965,168.00-	0.00	965,168.00-	965,168.00	0.00	0.00
34512	SMITH-LEVER HOME ACCOUNT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34513	SL HOME ECONOMICS EXT	30,384.24	0.00	6,077.94	36,462.18	0.00	0.00	36,462.18-
34514	SL NUTRITION & FOOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34515	SL ADMINISTRATION	146,129.42	0.00	90,023.96	236,153.38	0.00	0.00	236,153.38-
34516	SL AGRIC & FOOD ECON	46,006.96	0.00	7,560.49-	38,446.47	0.00	0.00	38,446.47-
34517	SL FOOD & AGRIC ENGR	8,602.72	0.00	354.98-	8,247.74	0.00	0.00	8,247.74-
34518	SL RES & PROD SERVICE	18,579.27	0.00	1,535.82	20,115.09	0.00	0.00	20,115.09-
34519	SL CRANBERRY STATION	10,554.81	0.00	2,259.48	12,854.29	0.00	0.00	12,854.29-
34520	SL ENTOMOLOGY	14,289.52	0.00	2,346.99	16,636.51	0.00	0.00	16,636.51-
34521	SL PLANT & SOIL SCIENCE	14,269.24	0.00	7,259.42	21,568.66	0.00	0.00	21,568.66-
34522	SL FOOD SCI & TECHNOLOGY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34523	SL FOREST & WILDLIFE MGT	5,829.79	0.00	2,696.21	8,526.00	0.00	0.00	8,526.00-









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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	CTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
34757 NE	FOREST & WILDLIFE MGT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34758 NE	4-H	18,170.59	0.00	7,244.34	25,414.93	0.00	0.00	25,414.93-
34759 NE	LAND ARCH & REG PLAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34760 NE	VET & ANIMAL SCIENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34761 NE	SUBURBAN EXP STATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34762 NE	PLANT PATHOLOGY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34763 NE	HOTEL, REST & TVL ADM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34764 NE	ENVIRONMENTAL SCI AMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34765 NE	EXTENSION ADMIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34766 NE	BARNSTABLE COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34767 NE	BARNSTABLE ADULT	3,716.66	0.00	162.72-	3,553.94	0.00	0.00	3,553.94-
34768 NE	BARNSTABLE 4-H	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34769 NE	BERKSHIRE COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34770 NE	BERKSHIRE PITTSFIEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34771 NE	BERK PITTSFELD ADULT	5,636.56	0.00	334.29-	5,302.27	0.00	0.00	5,302.27-
34772 NE	BERK PITTSFELD 4-H	0.00	0.00	6.01	6.01	0.00	0.00	6.01-
34773 NE	BERKSHIRE NORTH ADAMS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34774 NE	BERK N ADAMS ADULT	86.40	0.00	86.40-	0.00	0.00	0.00	0.00
34775 NE	BERK N ADAMS 4-H	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34776 NE	BRISTOL COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34777 NE	BRISTOL FALL RIVER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34778 NE	BRISTL FALL RIV ADULT	28,718.07	0.00	5,428.91	34,146.98	0.00	0.00	34,146.98-
34779 NE	BRISTL FALL RIV 4-H	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34780 NE	BRISTOL NEW BEDFORD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34781 NE	BRISTL NEW BEDFD ADULT	8,281.35	0.00	853.52	9,134.87	0.00	0.00	9,134.87-
34782 NE	BRISTL NEW BEDFD 4-H	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34783 NE	DUKES COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34784 NE	ESSEX COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34785 NE	ESSEX LAWRENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34786 NE	ESSEX LAWRENCE ADULT	4,395.20	0.00	5,511.64	9,906.84	0.00	0.00	9,906.84-
34787 NE	ESSEX LAWRENCE 4-H	1,359.95	0.00	7,126.17	8,486.12	0.00	0.00	8,486.12-
34788 NE	ESSEX LYNN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34789 NE	ESSEX LYNN ADULT	9,015.63	0.00	1,230.83-	7,784.80	0.00	0.00	7,784.80-
34790 NE	ESSEX LYNN 4-H	10,392.04	0.00	756.85-	5,635.19	0.00	0.00	9,635.19-
34791 NE	ESSEX GLOUCESTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34792 NE	ESSEX GLOUCESTR ADULT	4,482.68	0.00	4,332.99-	149.69	0.00	0.00	149.69-
34793 NE	ESSEX GLOUCESTER 4-H	741.13	0.00	173.93-	567.20	0.00	0.00	567.20-
34794 NE	FRANKLIN COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34795 NE	FRANKLIN ADULT	2,649.86	0.00	2,649.86-	0.00	0.00	0.00	0.00
34796 NE	FRANKLIN 4-H	3,433.47	0.00	3,433.47-	0.00	0.00	0.00	0.00
34797 NE	HAMPDEN COUNTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34798 NE	HAMPDEN HOLYOKE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34799 NE	HAMPDEN HOLYOKE ADULT	14,934.69	0.00	14,694.43-	240.26	0.00	0.00	240.26-
34800 NE	HAMPDEN HOLYOKE 4-H	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34801 NE	HAMPDEN SPRINGFIELD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34802 NE	HAMPDEN SPFLD ADULT	39,519.72	0.00	13,710.78	53,230.50	0.00	0.00	53,230.50-



GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
34970	HOUSING SELECT HOME ECON	990.40	0.00	990.40-	0.00	0.00	0.00	0.00
34981	AMA RES & MARK CONTR 74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34984	AMA RES & MARK CONTR 77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34985	AMA RES & MARK CONTR 78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34991	AMA RES & MARK HOME ACCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34995	R&M ADMINISTRATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34996	R&M AGRIC & FOOD ECON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35003	R&M FOREST & WILDLIFE MGT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35009	R&M HOTEL REST & TVL ADM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35010	FARM/CONS DIR MKT FY78	0.00	20,000.00-	308.88	19,691.12-	19,691.12	0.00	0.00
35026	AMA 12-05-300-122	6,014.06-	0.00	0.00	6,014.06-	0.00	0.00	6,014.06
35038	AMA 12-05-300-140	441.90-	0.00	0.00	441.98-	0.00	0.00	441.98
35040	ES-USDA 12-05-300-402	0.00	32,000.00-	13,958.23	18,041.77-	18,041.77	0.00	0.00
35086	HATCH CONTROL FY75	2,560.97-	0.00	3,560.97	0.00	0.00	0.00	0.00
35087	HATCH CONTROL FY76	2,454.73-	3,560.97-	6,015.70	0.00	914.65	0.00	914.65
35088	HATCH CONTROL FY77	663,373.00-	222,645.24-	875,762.78	10,255.46-	10,220.43	0.00	35.03
35089	HATCH CONTROL FY78	0.00	977,861.00-	0.00	977,861.00-	977,861.00	0.00	0.00
35101	HATCH HOME ACCOUNT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35102	HATCH ADMINISTRATION	83,940.05	0.00	26,352.39-	57,587.66	0.00	0.00	57,587.66
35103	HATCH AGRIC & FOOD ECON	40,680.86	0.00	24,081.75	64,762.61	0.00	0.00	64,762.61
35104	HATCH FOOD & AGRIC ENGR	61,670.73	0.00	10,631.45-	51,039.28	0.00	0.00	51,039.28
35105	HATCH ENVIRONMENTAL SCI	13,355.22	0.00	370.62	13,725.84	0.00	0.00	13,725.84
35106	HATCH CRANBERRY STATION	29,149.70	0.00	8,245.75-	20,903.91	0.00	0.00	20,903.91
35107	HATCH ENTOMOLGY	49,418.45	0.00	3,876.85	53,295.30	0.00	0.00	53,295.30
35108	HATCH RES & PROD SERVICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35109	HATCH PLANT & SOIL SCI	53,533.50	0.00	17,734.57	71,268.07	0.00	0.00	71,268.07
35110	HATCH FOOD SCI & TECH	89,332.30	0.00	12,424.65	101,756.95	0.00	0.00	101,756.95
35111	HATCH FOREST & WILDLIFE	9,163.01	0.00	4,099.48-	5,663.53	0.00	0.00	5,663.53
35112	HATCH LAND ARCH & REG PL	46,964.50	0.00	2,483.64	49,448.14	0.00	0.00	49,448.14
35113	HATCH VET & ANIMAL SCI	62,629.43	0.00	5,368.41-	57,261.02	0.00	0.00	57,261.02
35114	HATCH SUB EXP STATION	28,913.91	0.00	2,146.59-	26,767.32	0.00	0.00	26,767.32
35115	HATCH PLANT PATHOLOGY	18,556.74	0.00	3,675.46-	14,881.28	0.00	0.00	14,881.28
35116	HATCH HOTEL REST & TVL	6,133.60	0.00	743.50-	5,390.10	0.00	0.00	5,390.10
35117	HATCH HOME ECONOMICS	179.83	0.00	179.83-	0.00	0.00	0.00	0.00
35170	MCINTIRE-STENNIS FY76	3,725.71-	0.00	3,725.71-	0.00	0.00	0.00	0.00
35171	MCINTIRE-STENNIS FY77	85,239.00-	33,239.75-	120,781.79	1,696.96-	1,696.96	0.00	0.00
35172	MCINTIRE-STENNIS FY78	0.00	130,833.00-	0.00	130,833.00-	130,833.00	0.00	0.00
35179	MCINTIRE-STENNIS HOME AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35180	MS ADMINISTRATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35188	MS ENTOMOLGY	12,281.06	0.00	4,083.82-	8,197.24	0.00	0.00	8,197.24
35189	MS FOREST & WILDLIFE MGT	68,071.87	0.00	18,396.02-	49,675.85	0.00	0.00	49,675.85
35190	MS AGRICUL&RESOURCE ECON	285.70	0.00	6,975.76	7,261.46	0.00	0.00	7,261.46
35191	MS PLANT PATHOLOGY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35192	MS SUBURBAN EXP STATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35223	REGIONAL RESEARCH CONT75	2,010.67-	0.00	2,010.67	0.00	0.00	0.00	0.00
35224	REGIONAL RESEARCH FY76	127.86-	2,010.67-	2,138.53	0.00	0.00	0.00	0.00



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
35225	REGIONAL RESEARCH CONT77	260,353.00-	87,181.44-	346,211.01	1,323.43-	0.00	1,949.63	626.20-
35226	REGIONAL RESEARCH CONT78	0.00	383,546.00-	0.00	383,546.00-	0.00	383,546.00	0.00
35233	REGIONAL RESEARCH HOME A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35234	RR ADMINISTRATION	2,402.50	0.00	0.00	2,402.50	0.00	0.00	2,402.50-
35235	RR AGRIC & FOOD ECON	17,955.56	0.00	15,664.01-	2,291.55	0.00	0.00	2,291.55-
35236	RR FOOD & AGRIC ENGR	15,357.79	0.00	14,713.79-	644.00	0.00	0.00	644.00-
35237	RR ENVIRONMENTAL SCI AMH	45,394.42	0.00	5,147.43-	40,246.99	0.00	0.00	40,246.99-
35238	RR CRANBERRY STATION	0.00	0.00	500.00	500.00	0.00	0.00	500.00-
35239	RR ENTOMOLOGY	5,221.29	0.00	8,296.48	13,517.77	0.00	0.00	13,517.77-
35240	RR RES & PROO SERVICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35241	RR PLANT & SOIL SCIENCE	13,677.43	0.00	1,029.74-	12,647.69	0.00	0.00	12,647.69-
35242	RR FOOD SCI & NUTRITION	58,091.99	0.00	815.91	58,907.90	0.00	0.00	58,907.90-
35243	RR FOREST & WILDLIFE MGT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35244	RR LAND ARCH & REG PLAN	3,803.57	0.00	854.40	4,657.97	0.00	0.00	4,657.97-
35245	RR VET. & ANIMAL SCIENCE	13,196.79	0.00	14,616.60	27,813.39	0.00	0.00	27,813.39-
35246	RR SUBURBAN EXP STATION	25,440.31	0.00	3,951.71	29,392.02	0.00	0.00	29,392.02-
35247	RR PLANT PATHOLOGY	37,796.78	0.00	10,873.33	48,670.11	0.00	0.00	48,670.11-
35248	RR HOTEL REST & TVL ADM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35249	RR HOME ECONOMICS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35276	TTL V RURAL DEV FY76	7,322.00-	0.00	7,322.00	0.00	0.00	0.00	0.00
35277	TTL V RURAL DEV EXP FY77	14,871.00-	0.00	25,911.00	0.00	0.00	0.00	0.00
35278	TTL V RURAL DEV EXP FY78	0.00	11,040.00-	0.00	22,084.61-	0.00	22,084.61	0.00
35283	TTL VR RURAL DEV EXP H A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35286	TTL VR RD ADMINISTRATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35287	TTL VR RD AGR & FO ECON	14,269.42	0.00	9,840.66-	4,428.76	0.00	0.00	4,428.76-
35255	TTL VR RD FRST & WLD MGT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35501	WR CONTROL FY71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35502	WR CONTROL FY72	271.97-	0.00	0.00	271.97-	0.00	0.00	271.97
35503	WR CONTROL FY73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35504	WR CONTROL FY74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35505	WR CONTROL FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35506	WR CONTROL FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35507	WR CONTROL FY76 A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35508	WR CONTROL FY77	2,744.00-	0.00	2,743.00	1.00-	0.00	0.00	1.00
35509	WR CONTROL FY78	0.00	113,602.00-	104,867.00	8,735.00-	0.00	27,500.00	18,765.00-
35520	WR-DIRECTORS ACCOUNT	1,733.19-	1,047.23-	1,043.23	1,737.19-	0.00	0.00	1,737.19
35521	WR ADMINISTRATION FY72	0.50-	0.00	0.00	0.50-	0.00	0.00	0.50
35522	WR ADMINISTRATION FY73	139.59-	0.00	138.84	0.75-	0.00	0.00	0.75
35523	WR ADMINISTRATION FY74	160.75-	0.00	62.62	98.13-	0.00	0.00	98.13
35524	WR ADMINISTRATION FY75	50.90-	0.00	51.13	0.23	0.00	0.00	0.23-
35525	WR ADMINISTRATION FY76	138.91-	0.00	44.76	94.15-	0.00	0.00	94.15
35526	WR ADMIN DIR FY76 A	605.67-	0.00	543.26	62.41-	0.00	0.00	62.41
35527	WR ADMIN INF FY76 A	483.20-	0.00	420.29	62.91-	0.00	0.00	62.91
35528	WR ADMIN DIR FY77	14,434.07-	0.00	14,270.74	163.33-	0.00	0.00	163.33
35529	WR ADMIN INF FY77	1,991.37-	876.65-	1,554.24	1,313.78-	0.00	0.00	1,313.78
35530	WR ADMIN DIR FY78	0.00	34,221.00-	24,591.66	9,629.34-	0.00	0.00	9,629.34



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
35531	WR ADMIN INF FY78	0.00	7,070.00-	2,819.85	4,250.15-	0.00	0.00	4,250.15
35540	WR 32 FY71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35541	WR 32 FY72	0.99-	0.00	0.00	0.99-	0.00	0.00	0.59
35542	WR 32 FY73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35543	WR 37 FY72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35553	WR 42 FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35557	WR 44 FY72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35566	WR 53 FY74	0.30-	0.00	0.00	0.30-	0.00	0.00	0.30
35571	WR 55 FY72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35573	WR 57 FY73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35584	WR 61 FY74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35596	WR 68 FY74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35597	WR 69 FY74	327.46-	0.00	0.00	327.46-	0.00	0.00	327.46
35599	WR 69 FY76	23.03-	0.00	0.00	23.03-	0.00	0.00	23.03
35601	WR 71 FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35602	WR 71 FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35603	WR 72 FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35604	WR 72 FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35607	WR 74 FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35609	WR 75 FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35611	WR 76 FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35613	WR 77 FY75	314.90-	0.00	0.00	314.90-	0.00	0.00	149.83
35614	WR 77 FY76 A	109.02-	0.00	165.07	149.83-	0.00	0.00	0.00
35615	WR 77 FY77	2,171.19-	0.00	109.02	0.00	0.00	0.00	0.00
35618	WR 79 FY75	0.00	0.00	2,022.73	148.46-	0.00	0.00	148.46
35621	WR 80 FY75	1,068.25-	0.00	1,015.34	52.91-	0.00	0.00	52.91
35622	WR 80 FY76 A	1,235.10-	0.00	853.16	381.94-	0.00	0.00	381.94
35623	WR 80 FY77	2,329.91-	0.00	915.32	1,414.59-	0.00	0.00	1,414.59
35624	WR 81 FY75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35627	WR 83 FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35630	WR 84 FY76	3,842.67-	0.00	3,419.46	423.21-	0.00	0.00	423.21
35631	WR-84 FY77	1,000.00-	0.00	941.50	58.50-	0.00	0.00	58.50
35633	WR 85 FY76	200.00-	0.00	0.00	200.00-	0.00	0.00	200.00
35634	WR 85 FY76 A	769.97-	0.00	0.00	769.97-	0.00	0.00	769.97
35635	WR 85 FY77	308.29-	0.00	0.00	308.29-	0.00	0.00	308.29
35636	WR 86 FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35639	WR 87 FY76	504.17-	0.00	504.11	0.06-	0.00	0.00	0.06
35640	WR 87 FY76 A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35641	WR 87 FY77	2,811.77-	0.00	2,662.82	148.95-	0.00	0.00	148.95
35642	WR 88 FY76	2,928.43-	0.00	1,616.15	1,312.28-	0.00	0.00	1,312.28
35643	WR 88 FY76 A	661.38-	0.00	556.16	105.22-	0.00	0.00	105.22
35644	WR 88 FY77	906.26-	0.00	369.45	536.81-	0.00	0.00	536.81
35645	WR 89 FY76	0.00	0.00	425.60	425.60	0.00	0.00	425.60-
35646	WR 88 FY78	0.00	5,000.00-	4,550.92	9.08-	0.00	0.00	9.08
35648	WR 50 FY76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35651	WR 91 FY76	548.54-	0.00	148.53	400.01-	0.00	0.00	400.01



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78

INDEX 0-36720

FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUNC BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
36720	PHS-GM-55446-01 FELLOW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36750	PHS-AI-52353-02 FELLOW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36820	DAAK-03-74-G-0001 ARMY	7,000.00-	0.00	7,000.00	0.00	0.00	0.00	0.00
36851	NSF HES 75 22057	3,900.08-	0.00	3,900.08	0.00	0.00	0.00	0.00
36905	DEG-0-74-2586 FELLOW	624.17	0.00	0.00	624.17	0.00	624.17-	0.00
36970	HEALTH PROFESSIONS SCHOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36972	HEALTH PROFESSIONS SCH75	4,245.00-	0.00	4,245.00-	0.00	0.00	0.00	0.00
36973	PHS 01L250060-76	4,215.00-	0.00	4,215.00	0.00	0.00	0.00	0.00
36974	PHS 01L250060-77	1,373.00-	0.00	30.00	1,343.00-	0.00	1,343.00	0.00
36982	NURSING SCHOLARSHIP 75	6.25	0.00	0.00	6.25	0.00	0.00	6.25-
36984	GRAD NURSING SCHOL 75	500.00	0.00	0.00	500.00	0.00	0.00	500.00-
36985	PHS 01L250021-76	150.00-	0.00	65.75	84.25-	0.00	84.25	0.00
36986	PHS 01L250056-76	1,225.00-	0.00	0.00	1,225.00-	0.00	1,225.00	0.00
36987	PHS 01L250021-77	20,864.25-	0.00	65.75-	20,930.00-	0.00	20,930.00	0.00
36988	PHS 01L250056-77	2,084.00-	0.00	0.00	2,084.00-	0.00	2,084.00	0.00
36990	FRANK PRENTICE RAND SCH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36991	CLASS OF 74 SOUTTER FUND	585.00-	0.00	0.00	585.00-	0.00	0.00	585.00
36992	LAMAR SOUTTER FUND-1975	3,240.00-	375.00-	0.00	3,615.00-	0.00	0.00	3,615.00
36995	TIMOTHY SMITH TRUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37000	DONALD P ALLAN SCHOL	368.54-	381.31-	368.54	381.31-	0.00	0.00	381.31
37010	ALPHA SIGMA PHI SCHOL	1,853.32-	381.73-	0.00	2,235.05-	0.00	0.00	2,235.05
37020	ALVORO DAIRY SCHOL	289.28-	223.97-	275.00	238.25-	0.00	0.00	238.25
37030	OSCAR G ANDERSON MEMO	466.76-	55.48-	250.00	272.24-	0.00	0.00	272.24
37040	E J & P S CROCE SCHOLAR	2,635.47-	2,703.85-	2,600.00	2,739.32-	0.00	0.00	2,739.32
37050	ASCENSION FARM SCHOL	13,959.79-	6,486.24-	161.00-	20,607.03-	0.00	0.00	20,607.03
37060	D K BANGS	2,129.45-	316.15-	0.00	2,445.60-	0.00	0.00	2,445.60
37070	GEORGE H BARBER	3,119.09-	277.80-	0.00	3,396.89-	0.00	0.00	3,396.89
37071	GEORGE H BARBER MFR	78.98-	82.70-	0.00	161.68-	0.00	0.00	161.68
37075	HOMER J BARR SCHOLARSHIP	160.25-	168.28-	160.25	168.28-	0.00	0.00	168.28
37080	JOSEPH BARTLETT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37090	OSWALD BEHREND AWARD	66.22-	73.62-	66.22	73.62-	0.00	0.00	73.62
37100	SEYMOUR BAROWSKY	1,665.13-	269.74-	0.00	1,934.87-	0.00	0.00	1,934.87
37110	BURNHAM EMERGENCY Y	415.75-	418.22-	401.20	432.77-	0.00	0.00	432.77
37120	JOHN & NANCY BUTTERWORTH	387.48-	539.29-	0.00	926.77-	0.00	0.00	926.77
37130	BUTTRICK SCHOL FUND	2,629.79-	539.29-	1,500.00	1,669.08-	0.00	0.00	1,669.08
37140	THEODORE C CALDWELL	16.45-	73.83-	16.45	73.83-	0.00	0.00	73.83
37145	RAYMOND CHAMBERLIN	995.99-	343.57-	0.00	1,339.56-	0.00	0.00	1,339.56
37150	HAROLD W CARY PRIZE FUND	59.01-	46.80-	59.28	46.53-	0.00	0.00	46.53
37160	LUCIUS CLAPP	3,159.46-	473.70-	0.00	3,633.16-	0.00	0.00	3,633.16
37170	ADDISON H CLARK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37180	CLASS OF 1882 MSC SCHOL	426.54-	117.25-	58.63	485.16-	0.00	0.00	485.16
37190	GEORGE EDITH CODDING	54,101.12-	20,996.46-	16,400.00	58,697.58-	0.00	0.00	58,697.58
37200	GUY CHESTER CRAMPTON	1,333.45-	139.01-	370.00	1,102.46-	0.00	0.00	1,102.46
37210	F G CRANE	9,164.47-	1,376.15-	0.00	10,540.62-	0.00	0.00	10,540.62
37220	JOHN C CUTTER	512.41-	56.51-	0.00	568.92-	0.00	0.00	568.92
37230	STEPHEN DAVIS SCHOL	1,076.39-	1,039.80-	0.00	2,116.19-	0.00	0.00	2,116.19



PGH=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

INDEX 0-37240

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
37240	DISTINGUISHED VISITORS	33,054.00-	3,819.73-	0.00	36,873.73-	0.00	0.00	36,873.73
37250	E W ELDORIDGE	559.63-	83.73-	0.00	643.36-	0.00	0.00	643.36
37260	ENDOWMENT FROM STATE	5,539.67-	2,788.56-	6,475.90	1,852.33-	0.00	0.00	1,852.33
37270	GEORGE L FARLEY	4,169.22-	269.74-	0.00	4,438.96-	0.00	0.00	4,438.96
37275	ALFRED R FERGUSON PRIZE	116.17-	288.46-	116.17	288.46-	0.00	0.00	288.46
37280	R C FOLEY SCHOL	1,196.43-	278.63-	0.00	1,475.06-	0.00	0.00	1,475.06
37290	HARRY FOLSON HOD HOD CLB	589.81-	632.50-	839.51	382.80-	0.00	0.00	382.80
37300	J D W FRENCH CONTROL	0.00	579.80-	579.80	0.00	0.00	0.00	0.00
37302	J D W FRENCH-JUDGING-50%	600.72-	289.90-	359.11	531.51-	0.00	0.00	531.51
37304	J D W FRENCH-SCPOLAR-20%	2,140.07-	115.96-	1,001.00	1,255.03-	0.00	0.00	1,255.03
37306	J D W FRENCH-FOREST -20%	145.28-	115.96-	90.00	171.24-	0.00	0.00	171.24
37308	J D W FRENCH-MISCELL-10%	1,372.46-	57.98-	0.00	1,430.44-	0.00	0.00	1,430.44
37310	KATHRYN F FURCOLO	596.89-	651.27-	596.89	651.27-	0.00	0.00	651.27
37320	GASSETT SCHOLARSHIP	562.49-	78.04-	0.00	640.53-	0.00	0.00	640.53
37330	CHARLE A GLEASON	588.95-	203.75-	0.00	792.70-	0.00	0.00	792.70
37332	GENERAL ENDOWMENT-PRES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37334	GENERAL ENDOWMENT-AMHERS	31.72-	17.74-	0.00	49.46-	0.00	0.00	49.46
37336	GENERAL ENDOWMENT-BOSTON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37338	GENERAL ENDOWMENT-MEDICA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37340	GRINNEL PRIZE FUND	22.33-	8.67-	0.00	31.00-	0.00	0.00	31.00
37350	M R POMERY HAMLIN	0.00	1,812.33-	1,812.33	0.00	0.00	0.00	0.00
37360	C C HARDY	137.71-	8.67-	0.00	146.38-	0.00	0.00	146.38
37370	WALTER H HARRISON	0.00	640.95-	640.95	0.00	0.00	0.00	0.00
37380	PHILIP HASBROUCK	1,717.61-	529.38-	300.00	1,946.99-	0.00	0.00	1,946.99
37400	HILLS FUND-CONTROL	0.00	837.08-	837.09	0.01	0.00	0.00	0.01
37402	HILLS FUND-BOTANY	277.19-	279.03-	219.60	336.62-	0.00	0.00	336.62
37404	HILLS FUND-LANDSCAPE ARC	2,896.63-	279.03-	0.00	3,175.66-	0.00	0.00	3,175.66
37406	HILLS FUND PLANT & SOIL	684.83-	279.03-	138.42	825.44-	0.00	0.00	825.44
37410	RICHARD T HOGAN	430.34-	380.90-	300.00	511.24-	0.00	0.00	511.24
37420	CLIFTON JOHNSON	182.61-	185.60-	0.00	193.21-	0.00	0.00	193.21
37430	HELEN KNOWLTON	774.26-	809.03-	750.00	833.29-	0.00	0.00	833.29
37440	HCWARD M LEBOW MEM	612.58-	731.59-	612.58	731.59-	0.00	0.00	731.59
37450	LIBRARY	2,137.86-	594.97-	1,678.60	1,054.23-	0.00	0.00	1,054.23
37460	M D & A H LINCOLN	142,088.86-	28,369.65-	0.00	170,458.51-	0.00	50,000.00	120,458.51
37470	MURRAY D LINCOLN LAND	296.69-	0.00	0.00	296.69-	0.00	0.00	296.69
37480	ALBERT P MADEIRA	787.02-	864.29-	787.02	864.29-	0.00	0.00	864.29
37490	MARY A MAHER SCHOL	376.86-	390.60-	0.00	767.46-	0.00	0.00	767.46
37495	R J MCCARTNEY ORPHANS SC	266.09-	530.20-	266.09	530.20-	0.00	0.00	530.20
37500	ELIZ L MCNAMARA	52.45-	55.69-	52.45	55.69-	0.00	0.00	55.69
37510	UREANA MERRIAM EDUCATION	434.50-	84.55-	200.00	319.05-	0.00	0.00	319.05
37520	U OF M METAMAMPE FUND	327.52-	55.89-	0.00	383.41-	0.00	0.00	383.41
37530	HELEN MITCHELL	872.08-	371.41-	800.00	443.49-	0.00	0.00	443.49
37533	JEFF MORGAN MEMORIAL SCH	216.03-	231.59-	216.03	231.59-	0.00	0.00	231.59
37540	PORTER L NEWTON	1,483.36-	1,309.95-	0.00	2,793.31-	0.00	0.00	2,793.31
37550	J CLARK OSTERHOUT	155.39-	19.18-	0.00	174.57-	0.00	0.00	174.57
37560	BETSY PINKERTON	1,635.04-	241.91-	0.00	1,876.95-	0.00	0.00	1,876.95



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

INDEX 0-37570

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
37570	CHARLE A PETERS	1,114.56-	64.55-	0.00	1,179.11-	0.00	0.00	1,179.11
37580	CHARLES S PLUMB FUND	2,576.34-	287.27-	143.64	2,719.97-	0.00	0.00	2,719.97
37590	FRANK H PLUMB	2,725.55-	725.10-	1,400.00	2,050.65-	0.00	0.00	2,050.65
37600	ROBERT POMEROY	861.44-	83.52-	0.00	944.96-	0.00	0.00	944.96
37610	A L POND	366.06-	74.03-	0.00	440.09-	0.00	0.00	440.09
37620	WILLIAM PROCTOR	2,168.30-	110.75-	271.72	2,007.33-	0.00	0.00	2,007.33
37625	FRANK PRENTICE RAND	660.89-	269.95-	0.00	930.84-	0.00	0.00	930.84
37630	BRIAN RATTIGAN	312.92-	47.22-	0.00	360.14-	0.00	0.00	360.14
37640	FREDRICK H READ	354.20-	92.61-	341.40	105.41-	0.00	0.00	105.41
37645	PAUL & CAROLINA RHOADES	333.68-	1,348.30-	0.00	1,681.98-	0.00	0.00	1,681.98
37650	V A RICE SCHOOL	307.40-	149.09-	300.00	156.49-	0.00	0.00	156.49
37660	MARY ROBINSON	1,067.64-	158.99-	0.00	1,226.63-	0.00	0.00	1,226.63
37665	WILLIAM H ROSS FUND	633.48-	528.97-	500.00	662.45-	0.00	0.00	662.45
37670	JOHN RYAN FACULTY CONV	94.94-	46.60-	140.40	1.14-	0.00	0.00	1.14
37675	V C SAVIO SCHOL	1,018.50-	695.00-	845.85	867.65-	0.00	0.00	867.65
37680	ILENE SHARON SAVAL	163.17-	177.14-	163.17	177.14-	0.00	0.00	177.14
37690	WILLIAM R SESSIONS	298.39-	259.84-	252.00	306.23-	0.00	0.00	306.23
37700	FRANK R SHAW	70.63-	83.11-	70.63	83.11-	0.00	0.00	83.11
37710	PHILIP SHEINFELD	2,152.37-	324.80-	0.00	2,477.17-	0.00	0.00	2,477.17
37715	H.T.V.SMITH MEM GEOLOGY	183.95-	204.78-	175.00	213.73-	0.00	0.00	213.73
37720	H F STAPLES	0.00	2,806.34-	2,806.34	0.00	0.00	0.00	0.00
37730	BETTY STEINBUGLER	48.77-	9.70-	45.00	13.47-	0.00	0.00	13.47
37740	STOCKBRIDGE SCHOOL ALUMN	642.80-	121.67-	0.00	764.47-	0.00	0.00	764.47
37745	HARVEY SWADOS	72.71-	242.53-	71.72	243.52-	0.00	0.00	243.52
37747	CHARLES HIRAM THAYER	278.56-	168.08-	0.00	446.64-	0.00	0.00	446.64
37750	ROY E TORREY	0.00	64.97-	64.97	0.00	0.00	0.00	0.00
37760	RUTH J TOTMAN MEMORIAL	498.12-	54.87-	0.00	552.99-	0.00	0.00	552.99
37770	FRANK M WEST FORESTRY	1,336.55-	993.61-	800.00	1,530.16-	0.00	0.00	1,530.16
37780	WILLIAM WHEELER	623.65-	585.68-	613.51	595.82-	0.00	0.00	595.82
37790	WHITTING STREET	717.26-	110.96-	0.00	828.22-	0.00	0.00	828.22
37800	HELEN A WHITTIER	233.42-	231.38-	200.00	264.80-	0.00	0.00	264.80
37990	ADMIN OF ENDOWMENTS	173.31-	100,164.12-	98,516.27	1,821.16-	0.00	0.00	1,821.16
38010	APPRO 7400-0014 G C S F	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38040	APPRO 7400-9604 DISADVAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38050	APPRO 7400-9704 SCHOLARS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38060	APPRO 7400-0114 PRIV SEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38070	APPRO 7400-0110 EQUIP MA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38100	APPRO 74XX-9999 BONUSE P	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38110	APPRO 74XX-9999 BONUSE G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38120	APPRO 7410-9999 BONUSE A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38130	APPRO 7416-9999 BONUSE B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38140	APPRO 7411-9999 BONUSE W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38210	APPRO 7414-1002 UM RES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38510	ALLOT 7400-0014 G C S F	1,337.56-	7,000.00-	1,499.92	6,837.64-	0.00	0.00	6,837.64
38540	ALLOT 7400-9604 DISADVAN	0.00	3,464.57	15,505.34	18,969.91	0.00	0.00	18,969.91
38541	ALLOT 7400-9604 DVD MATC	0.00	0.00	43,829.66	43,829.66	0.00	0.00	43,829.66



PGM=AA0066Y

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78

INDEX 0-39503

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
CURRENT FUNDS RESTRICTED								
39503	CWS-TOTAL ENVIR ACTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39504	CWS-FALL RIVER YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39505	CWS-MEDFORD PARK DEPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39506	CWS-W ROX-ROSINDALE YMCA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39507	CWS-TOWN OF LUNENBURG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39508	CWS-PONKAPPOAG OUTDR CTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39509	CWS-TRI-COUNTY AAA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39510	CWS-TOWN OF BELLINGHAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CURRENT FUNDS RESTRICTED		1364,497.75-	15180,309.67-	13977,859.00	2566,948.42-	203,598.68-	1704,817.04	1065,730.06

TOTAL								
CURRENT FUNDS RESTRICTED		17082,366.61-	39837,306.66-	38080,452.92	18839,220.35-	203,598.68-	19165,014.05	122,195.02-



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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
LOAN FUNDS								
40000	ALUMNI FUND FOR VETERANS	8,471.71-	554.68-	147.67	8,878.72-	0.00	5,065.33	3,813.39
40040	ALUMNI STUDENT LOANS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40080	D K BANGS LOAN FUND	7,297.51-	0.00	0.00	7,297.51-	0.00	349.12	6,948.39
40120	J W BARTLETT LOAN FUND	1,000.00-	0.00	0.00	1,000.00-	0.00	0.00	1,000.00
40160	ADDISON H CLARK LOANS	20,387.44-	14.20-	89.29	20,312.35-	0.00	6,789.26	13,523.05
40200	CLASS OF 1905 LOAN FUND	3,204.34-	0.00	0.00	3,204.34-	0.00	65.00	3,139.34
40210	CLASS OF 1911 LOAN FUND	2,702.78-	0.00	0.00	2,702.78-	0.00	0.00	2,702.78
40215	CLASS OF 1976 LOAN FUND	520.00-	115.00-	0.00	635.00-	0.00	0.00	635.00
40240	CLASS OF 1969 LOAN FUND	1,000.00-	0.00	0.00	1,000.00-	0.00	1,000.00	0.00
40245	HOLLY EDWARDS MEMORIAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40260	JOHN GEIGER MEMORIAL	1,145.00-	0.00	0.00	1,145.00-	0.00	1,140.00	5.00
40280	VINCENT GOLDTHWAIT LOANS	15,544.94-	14.33-	50.94	15,908.33-	0.00	6,656.59	9,251.74
40320	GRADUATE & FOREIGN STUD	11,331.02-	0.00	55.00	11,236.02-	0.00	4,978.00	6,258.02
40360	MARGARET R P HAMLIN LOAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40400	WALTER H HARRISON LOAN	12,005.96-	640.95-	0.00	12,646.91-	0.00	0.00	12,646.91
40440	MURRAY D LINCOLN LOAN	363.38-	0.00	0.00	363.38-	0.00	0.00	363.38
40480	MASS AGRIC CLUB LOAN	6,180.52-	0.00	0.00	6,180.52-	0.00	622.52	0.00
40520	MASS ASSEMBLY LOAN FUND	6,180.52-	0.00	1,251.53	4,928.99-	0.00	4,920.70	8.29
40560	ELIZABETH L MCNAMARA	619.47-	35.65-	0.00	655.12-	0.00	0.00	655.12
40600	MCNAMARA HOUSE LCANS	9,054.85-	2,100.00-	0.00	11,154.85-	0.00	25.00	11,129.85
40640	TIMOTHY MURPHY LOANS	450.00-	0.00	0.00	450.00-	0.00	0.00	450.00
40680	NEW ENGLAND FEEDMENS	757.39-	0.00	0.00	757.39-	0.00	0.00	757.39
40720	NEW ENG SOCIETY OF N Y	996.00-	0.00	0.00	996.00-	0.00	996.00	0.00
40730	NEIA EDUCATIONAL LOAN	1,000.00-	0.00	0.00	1,000.00-	0.00	0.00	1,000.00
40760	BEN B SELIGMAN MEMORIAL	763.00-	0.00	0.00	763.00-	0.00	350.00	413.00
40800	SIEVERS MEMORIAL LOAN	3,170.50-	146.07-	0.00	3,316.57-	0.00	300.00	3,016.57
40840	HENRY F STAPLES MEMORIAL	44,406.11-	2,926.38-	510.04	46,822.45-	0.00	15,341.79	31,480.66
42300	R W JOHNSON FUND LOANS	5,300.00-	164.69-	0.00	5,464.69-	0.00	4,327.50	1,137.19
42310	C L VENDIEN/FOREIGN	100.00-	100.00-	0.00	200.00-	0.00	100.00	100.00
42311	C L VENDIEN/P E STUDENTS	100.00-	0.00	0.00	100.00-	0.00	50.00	50.00
42410	TFI-TRUSTEE LOANS/AMH	10,500.00-	0.00	0.00	10,500.00-	0.00	1,200.00	9,300.00
42420	TFI-TRUSTEE LOANS/BOSTON	4,500.00-	0.00	0.00	4,500.00-	0.00	2,023.00	2,477.00
43060	AMHERST EMERGENCY LOANS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44000	BOSTON EMERGENCY LOANS	4,603.33-	0.00	198.00	4,405.33-	0.00	4,405.33	0.00
47100	UNDRGRAD NURSING LOANS	283,555.23-	43,631.93-	12,544.78	314,242.38-	0.00	246,596.95	67,645.43
47200	GRADUATE NURSING LOANS	10,644.65-	116.79-	0.00	10,761.44-	0.00	2,013.04	8,748.40
48100	NATIONAL DIRECT LCANS	780.00-	4,367.00-	5,147.00	0.00	0.00	0.00	0.00
48200	NOL AMHERST	6878,433.56-	1377,053.89-	122,194.22	8133,293.23-	0.00	8133,293.23	0.00
48300	NOL BOSTON	1782,860.44-	447,343.85-	53,040.27	2177,164.02-	0.00	2175,236.74	1,927.28
48400	NOL WORCESTER	82,269.66-	232,222.22-	11,615.38	302,876.50-	0.00	302,876.50	0.00
49100	HEALTH PROFESSION LOANS	187,911.02-	68,025.90-	0.00	255,936.92-	0.00	252,720.31	3,216.61
TOTAL		9404,952.33-	2179,573.53-	207,284.12	11377,241.74-	0.00	11173,441.91	203,799.83
LOAN FUNDS								



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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78

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FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
ENDOWMENTS & SIMILAR FUNDS								
50000	DONALD P ALLAN SCHOL	7,070.00-	368.54-	0.00	7,438.54-	0.00	7,438.54	0.00
50100	ALPHA SIGMA PHI SCHOL	7,100.00-	0.00	0.00	7,100.00-	0.00	7,100.00	0.00
50200	ALVORD DAIRY SCHOLARSHIP	4,197.15-	0.00	0.00	4,197.15-	0.00	4,197.15	0.00
50300	OSCAR G ANDERSON SCHOL	1,015.00-	0.00	0.00	1,015.00-	0.00	1,015.00	0.00
50400	EDMUND & PHYLLIS CROCE	50,000.00-	0.00	0.00	50,000.00-	0.00	50,000.00	0.00
50500	ASCENSION FARM SCHOL	119,975.79-	0.00	0.00	119,975.79-	0.00	119,975.79	0.00
50600	D K BANGS SCHOLARSHIP	5,861.58-	0.00	0.00	5,861.58-	0.00	5,861.58	0.00
50700	GEORGE H BARBER	5,073.86-	0.00	0.00	5,073.86-	0.00	5,073.86	0.00
50701	GEORGE H BARBER/MHR WRES	1,473.42-	0.00	0.00	1,473.42-	0.00	1,473.42	0.00
50750	HOMER J BARR SCHOLARSHIP	3,180.16-	10.25-	0.00	3,190.41-	0.00	3,190.41	0.00
50800	JOSEPH BARTLETT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50900	OSWALD BEHREND AWARD	1,319.68-	66.22-	0.00	1,385.90-	0.00	1,385.90	0.00
51000	SEYMOUR BARONSKY	5,000.00-	0.00	0.00	5,000.00-	0.00	5,000.00	0.00
51100	BURNHAM EMERGENCY	7,742.23-	0.00	0.00	7,742.23-	0.00	7,742.23	0.00
51200	JOHN & NANCY BUTTERWORTH	10,000.00-	0.00	0.00	10,000.00-	0.00	10,000.00	0.00
51300	BUTTRICK SCHOLARSHIP	10,000.00-	0.00	0.00	10,000.00-	0.00	10,000.00	0.00
51400	THEODORE C CALDWELL	1,333.73-	16.45-	0.00	1,350.18-	0.00	1,350.18	0.00
51450	RAYMOND CHAMBERLIN	6,335.80-	0.00	0.00	6,335.80-	0.00	6,335.80	0.00
51500	HAROLD W CARY PRIZE FUND	890.87-	34.28-	0.00	925.15-	0.00	925.15	0.00
51600	LUCIUS CLAPP	8,740.42-	0.00	0.00	8,740.42-	0.00	8,740.42	0.00
51700	ADDISON H CLARK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51800	CLASS OF 1882 MSC SCHOL	2,152.24-	58.63-	0.00	2,210.87-	0.00	2,210.87	0.00
51900	GEORGE & EDITH CODDING	388,464.70-	0.00	0.00	388,464.70-	0.00	388,464.70	0.00
52000	GUY CHESTER CRAMPTON	2,539.03-	0.00	0.00	2,539.03-	0.00	2,539.03	0.00
52100	F G CRANE	25,518.08-	0.00	0.00	25,518.08-	0.00	25,518.08	0.00
52200	JOHN C CUTTER	1,098.41-	0.00	0.00	1,098.41-	0.00	1,098.41	0.00
52300	STEPHEN DAVIS SCHOL	19,175.00-	0.00	0.00	19,175.00-	0.00	19,175.00	0.00
52400	DISTINGUISHED VISITORS	70,690.06-	1,251.53-	0.00	71,941.59-	0.00	71,941.59	0.00
52500	E W ELDRIDGE JR MEMOR	1,555.00-	0.00	0.00	1,555.00-	0.00	1,555.00	0.00
52600	ENDOWMENT FROM STATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52700	GEORGE L FARLEY FUND	5,000.00-	0.00	0.00	5,000.00-	0.00	5,000.00	0.00
52750	ALFRED R FERGUSON PRIZE	4,050.00-	116.17-	0.00	4,166.17-	0.00	4,166.17	116.17
52800	R C FOLEY SCHOL	5,145.00-	0.00	0.00	5,145.00-	0.00	5,145.00	0.00
52900	HARRY L FOLSON HOO HOO	11,736.89-	589.51-	0.00	12,326.40-	0.00	12,326.40	0.00
53000	J D W FRENCH FUND	10,743.41-	0.00	0.00	10,743.41-	0.00	10,743.41	0.00
53100	KATHRYN F FURCOLD	12,105.68-	596.89-	0.00	12,702.57-	0.00	12,702.57	0.00
53200	GASSETT SCHOLARSHIP	1,462.20-	0.00	0.00	1,462.20-	0.00	1,462.20	0.00
53250	GENERAL ENDOW-PRESIDENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53260	GENERAL ENDOW-AMHERST	265.50-	40.00-	0.00	305.50-	0.00	305.50	0.00
53270	GENERAL ENDOW-BOSTON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53280	GENERAL ENDOW-MEDICAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53300	CHARLES A GLEASON	3,731.73-	0.00	0.00	3,731.73-	0.00	3,731.73	0.00
53400	GRINNEL PRIZE FUND	125.94-	0.00	0.00	125.94-	0.00	125.94	0.00
53500	M R POMERY HAMLIN	33,537.36-	0.00	0.00	33,537.36-	0.00	33,537.36	0.00
53600	C C HARDY	119.65-	0.00	0.00	119.65-	0.00	119.65	0.00
53700	WALTER H HARRISON	11,836.14-	0.00	0.00	11,836.14-	0.00	11,836.14	0.00

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
ENDOWMENTS & SIMILAR FUNDS								
53800	PHILIP HASBROUCK	9,775.66-	0.00	0.00	9,775.66-	0.00	9,775.66	0.00
54000	HILLS FUND	15,523.89-	0.00	0.00	15,523.89-	0.00	15,523.89	0.00
54100	RICHARD T HOGAN	7,041.70-	0.00	0.00	7,041.70-	0.00	7,041.70	0.00
54200	CLIFTON JOHNSON	3,411.47-	0.00	0.00	3,411.47-	0.00	3,411.47	0.00
54300	HELEN KNOWLTON	15,000.00-	0.00	0.00	15,000.00-	0.00	15,000.00	0.00
54400	HOWARD M LEBOW MEMORIAL	12,740.86-	947.08-	0.00	13,687.94-	0.00	13,687.94	0.00
54500	LIBRARY	11,027.85-	0.00	0.00	11,027.85-	0.00	11,027.85	0.00
54600	M O & A H LINCOLN FUND	478,638.21-	0.00	0.00	478,638.21-	0.00	478,638.21	0.00
54700	MURRAY D LINCOLN LAND	151,299.23-	0.00	0.00	151,299.23-	0.00	151,299.23	0.00
54800	ALBERT P MADEIRA SCHOL	15,989.80-	787.02-	0.00	16,776.82-	0.00	16,776.82	0.00
54900	MARY A MAHER SCHOL	7,247.85-	85.00-	0.00	7,332.85-	0.00	7,332.85	0.00
54950	R J MCCARTNEY ORPHANS SC	9,841.42-	266.09-	0.00	10,107.51-	0.00	10,107.51	0.00
55000	ELIZABETH L MCNAMARA	1,025.00-	0.00	0.00	1,025.00-	0.00	1,025.00	0.00
55100	OREANA MERRIAM ENDOW	1,623.02-	0.00	0.00	1,623.02-	0.00	1,623.02	0.00
55200	U OF M METAMARPE FUND	1,050.00-	0.00	0.00	1,050.00-	0.00	1,050.00	0.00
55300	HELEN MITCHELL	6,850.00-	0.00	0.00	6,850.00-	0.00	6,850.00	0.00
55350	JEFFERY MORGAN	4,241.01-	216.03-	0.00	4,457.04-	0.00	4,457.04	0.00
55400	PORTER L NEWTON	24,204.46-	0.00	0.00	24,204.46-	0.00	24,204.46	0.00
55500	J CLARK OSTERHOUT	396.95-	0.00	0.00	396.95-	0.00	396.95	0.00
55600	BETSY PINKERTON	4,500.00-	0.00	0.00	4,500.00-	0.00	4,500.00	0.00
55700	CHARLES A PETERS	1,162.77-	0.00	0.00	1,162.77-	0.00	1,162.77	0.00
55800	CHARLES S PLUMB FUND	5,257.77-	143.64-	0.00	5,401.41-	0.00	5,401.41	0.00
55900	FRANK H PLUMB	13,427.17-	0.00	0.00	13,427.17-	0.00	13,427.17	0.00
56000	ROBERT POMEROY	1,535.95-	0.00	0.00	1,535.95-	0.00	1,535.95	0.00
56100	A L POND	1,354.78-	100.00-	0.00	1,454.78-	0.00	1,354.78	100.00
56200	WILLIAM PROCTOR FELLOW	2,000.00-	0.00	0.00	2,000.00-	0.00	2,000.00	0.00
56280	FRANK PRENTICE RAND	5,025.00-	0.00	0.00	5,025.00-	0.00	5,025.00	0.00
56300	BRIAN RATTIGAN	923.11-	0.00	0.00	923.11-	0.00	923.11	0.00
56400	FREDRICK H READ	1,699.55-	0.00	0.00	1,699.55-	0.00	1,699.55	0.00
56450	PAUL & CAROLINA RHOADES	25,000.00-	0.00	0.00	25,000.00-	0.00	25,000.00	0.00
56500	V A RICE SCHOLARSHIP	2,784.11-	0.00	0.00	2,784.11-	0.00	2,784.11	0.00
56600	MARY ROBINSON	3,000.00-	0.00	0.00	3,000.00-	0.00	3,000.00	0.00
56650	WILLIAM H ROSS FUND	9,745.00-	90.00-	0.00	9,835.00-	0.00	9,820.00	15.00
56700	JOHN RYAN FACULTY CONV	872.91-	95.40-	0.00	968.31-	0.00	968.31	0.00
56750	V C SAVIO SCHOL	4,537.50-	0.00	0.00	4,537.50-	0.00	4,537.50	0.00
56800	ILENE SHARON SAVOL	3,322.32-	163.17-	0.00	3,485.49-	0.00	3,485.49	0.00
56900	WILLIAM R SESSIONS	4,780.97-	0.00	0.00	4,780.97-	0.00	4,780.97	0.00
57000	FRANK R SHAW	1,502.20-	100.63-	0.00	1,602.83-	0.00	1,602.83	0.00
57100	PHILIP SHEINFELD	5,984.00-	0.00	0.00	5,984.00-	0.00	5,984.00	0.00
57150	H T V SMITH MEM GEOLOGY	3,817.50-	65.00-	0.00	3,882.50-	0.00	3,882.50	0.00
57200	H F STAPLES MEMORIAL	51,907.08-	0.00	0.00	51,907.08-	0.00	51,907.08	0.00
57300	BETTY STEINBUGLER	200.00-	0.00	0.00	200.00-	0.00	200.00	0.00
57400	STOCKBRIDGE SCHOOL ALUMN	2,300.38-	0.00	0.00	2,300.38-	0.00	2,300.38	0.00
57470	HARVEY SWAOS	4,537.17-	71.72-	0.00	4,608.89-	0.00	4,608.89	0.00
57485	CHARLES HIRAM THAYER	3,160.00-	690.00-	0.00	3,850.00-	0.00	3,850.00	0.00
57500	ROY E TORREY MEMORIAL	1,192.31-	64.97-	0.00	1,257.28-	0.00	1,257.28	0.00







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FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
PLANT FUNDS								
71580	APPRO 7490-8682 RENOVAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72000	UMBA 11 REPAIR & REPLACE	400,000.00-	45,938.00-	0.00	445,938.00-	0.00	0.00	445,938.00
72001	UMBA STUDENT DAMAGE	21,495.37-	10,900.97-	385.97	32,010.37-	0.00	0.00	32,010.37
72005	PARKING GARAGE R & R	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72011	UMBA 1 REPAIR & REPLACE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72012	UMBA 2 REPAIR & REPLACE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72521	ALLOT 7400-8751 LIB BOOK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72523	ALLOT 7400-8751 LIB BOOK	20,238.00	20,238.00-	0.00	0.00	0.00	0.00	0.00
72525	ALLOT 7400-8751 LIB BOOK	0.08-	0.00	0.00	0.08-	0.00	0.00	0.08
72527	ALLOT 7400-8751 LIB BOOK	20,377.93-	20,238.00	131.58	8.35-	0.00	0.00	8.35
72540	ALLOT 7490-8699 UTILITIES	2,486.81-	2,486.81	0.00	0.00	0.00	0.00	0.00
72550	ALLOT 7490-8711 LIB BOOK	0.58-	0.58	0.00	0.00	0.00	0.00	0.00
72570	ALLOT 7490-0107 RENOVAT	9,443.00-	0.00	0.00	9,443.00-	0.00	0.00	9,443.00
72580	ALLOT 7490-8682 RENOVAT	832.25-	0.00	0.00	832.25-	0.00	0.00	832.25
73501	UMBA 1 DEBT SERVICE	0.00	148,504.68-	148,504.68	0.00	0.00	0.00	0.00
73502	UMBA 2 DEBT SERVICE	0.00	302,245.77-	302,245.77	0.00	0.00	0.00	0.00
73503	UMBA 3 DEBT SERVICE	0.00	128,828.75-	128,828.75	0.00	0.00	0.00	0.00
73504	UMBA 4 DEBT SERVICE	0.00	609,551.14-	609,551.14	0.00	0.00	0.00	0.00
73505	UMBA 5 DEBT SERVICE	971.14-	162,498.59-	163,469.73	0.00	0.00	0.00	0.00
73506	UMBA 6 DEBT SERVICE	0.00	479,971.05-	479,971.05	0.00	0.00	0.00	0.00
73507	UMBA 7 DEBT SERVICE	1,760.41-	165,287.34-	167,047.75	0.00	0.00	0.00	0.00
73508	UMBA 8 DEBT SERVICE	0.00	390,550.23-	390,550.23	0.00	0.00	0.00	0.00
73509	UMBA 9 DEBT SERVICE	0.00	163,701.79-	163,701.79	0.00	0.00	0.00	0.00
73510	UMBA 10 DEBT SERVICE	0.00	319,817.58-	319,817.58	0.00	0.00	0.00	0.00
73511	UMBA 11 DEBT SERVICE	0.00	1887,351.00-	1887,351.00	0.00	0.00	0.00	0.00
73512	UMBA 12 DEBT SERVICE	0.00	703,038.88-	703,038.88	0.00	0.00	0.00	0.00
73513	UMBA 13 DEBT SERVICE	0.00	350,027.12-	350,027.12	0.00	0.00	0.00	0.00
73520	RHTF/NE DEBT SERVICE	0.00	138,660.00-	138,660.00	0.00	0.00	0.00	0.00
73521	RHTF/CENTRAL DEBT SERV	0.00	93,500.00-	93,500.00	0.00	0.00	0.00	0.00
73522	LINCOLN & UNIV DEBT SERV	0.00	76,740.00-	76,740.00	0.00	0.00	0.00	0.00
75510	LAND-AMHERST CAMPUS	4478,096.00-	0.00	0.00	4478,096.00-	0.00	4478,096.00	0.00
75710	LAND-BOSTON CAMPUS	8795,000.00-	0.00	0.00	8795,000.00-	0.00	8795,000.00	0.00
75910	LAND-WORCESTER CAMPUS	739,400.00-	0.00	0.00	739,400.00-	0.00	739,400.00	0.00
76510	BUILDINGS-AMHERST CAMPUS	119916,708.00-	25,000.00-	0.00	119941,708.00-	0.00	119941,708.00	0.00
76710	BUILDINGS-BOSTON CAMPUS	81805,000.00-	0.00	0.00	81805,000.00-	0.00	81805,000.00	0.00
76910	BUILDINGS-WORCESTER CAMP	27156,800.00-	0.00	0.00	27156,800.00-	0.00	27156,800.00	0.00
77510	IMPROVEMENTS-AMHERST CAM	22036,114.16-	3,450.00-	0.00	22039,564.16-	0.00	22039,564.16	0.00
77710	IMPROVEMENTS-BOSTON CAMP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77910	IMPROVEMENTS-WORCESTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78110	EQUIPMENT-PRESIDENTS	115,357.00-	0.00	0.00	115,357.00-	0.00	115,357.00	0.00
78510	EQUIPMENT-AMHERST CAMPUS	38297,291.00-	233,912.00-	0.00	38531,203.00-	0.00	38531,203.00	0.00
78710	EQUIPMENT-BOSTON CAMPUS	8587,228.00-	462,468.00-	0.00	9449,696.00-	0.00	9215,784.00	233,912.00
78910	EQUIPMENT-WORCESTER CAMP	8535,186.00-	3576,466.00-	0.00	12111,652.00-	0.00	12111,652.00	0.00

TOTAL	321902,421.42-	12000,429.79-	6436,505.60	327466,545.61-	0.00	325429,564.16	2026,981.45
PLANT FUNDS							

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

INDEX 0-90100

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
AGENCY FUNDS								
90100	STUDENT HEALTH INS/AMH	6,472.97-	641,456.78-	642,402.50	5,527.25-	0.00	0.00	5,527.25
90101	STUDENT SUPPLEMENTAL INS	1,496.00-	7,866.00-	0.00	9,362.00-	0.00	0.00	9,362.00
90200	STUDENT HEALTH INS/BOS	5,545.40-	162,367.10-	162,229.00	5,683.50-	0.00	0.00	5,683.50
90300	STUDENT HEALTH FEE/MOR	44,129.87-	0.00	44,129.87	0.00	0.00	0.00	0.00
90500	MASSPIRG-AMHERST FEE	1,957.28-	54,853.61-	56,400.00	410.89-	0.00	0.00	410.89
90600	MASSPIRG-BOSTON FEE	692.75-	16,650.68-	16,880.00	463.43-	0.00	0.00	463.43
90605	MSEA/UMEA DUES ESCROW	0.00	0.00	0.00	0.00	13,565.00-	0.00	13,565.00
90700	EQUIPMENT SHORT AF/ROTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90800	EQUIPMENT SHORT A/ROTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90900	SPECIAL MILITARY FUND	551.14-	762.13-	780.61	532.66-	0.00	0.00	532.66
91000	FED TAX ON PERSONAL CALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91100	STUDENT DEPOSIT CONTROL	317,979.77-	7220,866.29-	7337,351.03	201,495.03-	0.00	0.00	201,495.03
91110	STUDENT DEPOSIT CNTRL	0.00	6,462.50-	550.78-	7,013.28-	0.00	0.00	7,013.28
92000	AIR AGENCY FUND	0.00	1,236.52-	1,236.52	0.00	0.00	0.00	0.00
92050	BIERHOST FUND	1.41-	0.00	0.00	1.41-	0.00	0.00	1.41
92100	C E B S AGENCY	118.52-	0.00	118.52	0.00	0.00	0.00	0.00
92150	DIGITAL EQUIPMENT FUND	379.26-	0.00	239.91	139.35-	0.00	0.00	139.35
92200	DOMESTIC ACTION PROGRAM	5,774.91-	0.00	0.00	5,774.91-	0.00	0.00	5,774.91
92210	BERKSHIRE COUNTY/CETA	0.00	82,702.00-	81,532.36	1,169.64-	0.00	0.00	1,169.64
92211	FRANKLIN COUNTY/CETA	0.00	85,773.05-	95,534.90	6,161.85	0.00	0.00	6,161.85
92212	HAMPSHIRE COUNTY/CETA	0.00	63,674.91-	76,766.51	13,091.60	0.00	0.00	13,091.60
92213	MIDDLESEX COUNTY/CETA	0.00	71,556.58-	75,873.44	4,316.86	0.00	0.00	4,316.86
92250	EDUCATIONAL FILM & TAPES	1.32-	0.00	1.32	0.00	0.00	0.00	0.00
92300	ENGLISH LITERARY RENAISS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92350	FOUR-H ACTIVITIES FUND	1,222.88-	0.00	56.00	1,166.88-	0.00	0.00	1,166.88
92400	IMS FUND/COMPUTER ENGR	1.73-	0.00	0.00	1.73-	0.00	0.00	1.73
92450	MASS EDUCATIONAL FILMS	7,686.60-	2,410.00-	2,603.16	7,493.44-	0.00	0.00	7,493.44
92470	MASS BASED HUMANITIES	33,759.51-	25,829.97-	23,780.85	35,808.63-	0.00	0.00	25,808.63
92471	MFH & PP (FY77-FY78)	12,000.18-	309,917.61-	254,341.70	67,576.09-	0.00	0.00	77,576.09
92480	FIVE COLLEGE ALUMNI COLL	0.00	3,561.65-	761.95	3,159.70-	0.00	0.00	3,159.70
92500	MILDRED PIERPONT MEMORIA	185.00-	0.00	0.00	185.00-	0.00	0.00	185.00
92505	NEW ENGLAND P S A	5.80-	0.00	0.00	5.80-	0.00	0.00	5.80
92510	NORTHEASTERN P S A	50.00-	0.00	31.10	18.90-	0.00	0.00	18.90
92515	AMER PSYCHOLOGICAL ASSOC	44.89-	0.00	44.89	0.00	0.00	0.00	0.00
92516	JOURNAL OF PERSONALITY	35.88	0.00	35.88-	0.00	0.00	0.00	0.00
92517	JOURNAL APPLIED BEHAVIOR	61.31-	0.00	60.82	0.49-	0.00	0.00	0.49
92518	JOURNAL CHILD DEVELOPMNT	1,130.62-	5,338.00-	6,202.47	266.15-	0.00	0.00	266.15
92520	AMER JOURNAL PUBLIC HLTH	858.48-	7,250.00-	4,385.32	3,723.16-	0.00	0.00	3,723.16
92525	ACLAM AGENCY FUND	0.00	3,000.00-	2,634.95	365.05-	0.00	0.00	365.05
92530	JOURNAL OF BACTERIOLOGY	0.00	4,500.00-	1,519.00	2,981.00-	0.00	0.00	2,981.00
92540	CLASSICAL ASSOC OF N E	751.18-	3,610.07-	3,167.98	1,193.27-	0.00	0.00	1,193.27
92550	COLLEGE PUBLICATIONS FND	93.79-	0.00	53.79	0.00	0.00	0.00	0.00
92560	PRENTICE-HALL INC.	63.65-	0.00	62.48	1.17-	0.00	0.00	1.17
92570	FGG-H FRIEDMAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92580	NSF OIP 75-08848	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92600	USDA WILDLIFE SERVICES	6,515.32-	297.60-	111.70	6,701.22-	0.00	0.00	6,701.22

GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
AGENCY FUNDS								
92610	AMHERST COLLEGE	0.58-	8,000.00-	7,999.76	0.82-	0.00	0.00	0.82
92615	MOUNT HOLYOKE COLLEGE	0.13-	4,000.00-	3,559.88	0.25-	0.00	0.00	0.25
92650	SKF LABORATORIES FUND	279.83-	0.00	0.00	279.83-	0.00	0.00	279.83
92660	AMERICAN OPTICAL CORP	0.00	23,013.00-	0.00	23,013.00-	0.00	0.00	23,013.00
92700	UMASS/AMH CHAPTER AAUP	18.09-	0.00	0.00	18.09-	0.00	0.00	18.09
92750	VICTORIAN PERIODICALS	20.82-	0.00	0.00	20.82-	0.00	0.00	20.82
92800	WEST MASS BROADCASTING C	23,046.26-	168,111.40-	174,318.50	16,839.16-	0.00	0.00	16,839.16
92810	WMBC/1972 CPB AWARD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92815	WMBC-CPB 5321/70281	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93001	BE0G-FY76 (AMHERST)	150.46-	0.00	0.00	150.46-	0.00	150.46	0.00
93002	BE0G-FY77 (AMHERST)	228,722.49	226,861.00-	4,972.20-	3,110.71-	0.00	3,110.71	0.00
93003	BE0G-FY78 (AMHERST)	0.00	3475,696.00-	3444,262.76	31,433.24-	0.00	31,433.24	0.00
93501	BE0G-FY76 (BOSTON)	246.00-	0.00	0.00	246.00-	0.00	246.00	0.00
93502	BE0G-FY77 (BOSTON)	101,025.00	170,567.00-	68,895.00	647.00-	0.00	647.00	0.00
93503	BE0G-FY78 (BOSTON)	0.00	1705,901.00-	1716,644.75	10,743.75	0.00	0.00	10,743.75
94000	BHE-GENERAL (AMHERST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94001	BHE-HONORS (AMHERST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94500	BFE-GENERAL (BOSTON)	0.00	70,050.00-	62,039.90	8,010.10-	0.00	0.00	8,010.10
94501	BHE-HONORS (BOSTON)	0.00	9,120.00-	9,120.00	0.00	0.00	0.00	0.00
99998	TEST ACCOUNT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99999	TEST ACCOUNT	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## TOTAL

AGENCY FUNDS	143,510.34-	14647,662.45-	14373,456.34	417,716.45-	23,565.00-	45,587.41	395,694.04
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UNIVERSITY OF MASSACHUSETTS ACCOUNTING SYSTEM REPORT

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GENERAL LEDGER FUND GROUP SUMMARY AS OF 06/30/78  
FISCAL YEAR TO DATE

INDEX 0-TOTAL

FUND	ACCOUNT DESCRIPTION	07/01/77 FUND BALANCE	ADDITIONS (4XX/93X)	DEDUCTIONS (5XX/95X)	06/30/78 FUND BALANCE	LIABILITIES (2XX)	OTHER ASSETS	CASH (110)
	LEDGER 0 TOTAL	361220,875.78	246905,370.26	234508,203.80	373618,042.24	7494,130.07	360657,194.73	20454,977.58







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## CHANCELLOR'S STATEMENT

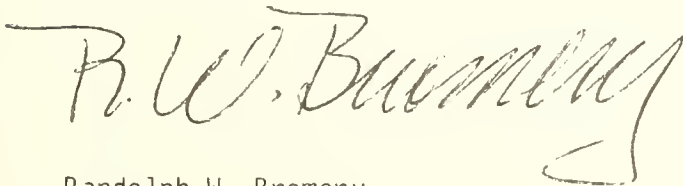
The year ending June 30, 1978 was one which saw some positive changes toward restoring the Amherst Campus to the level of financial and academic stability necessary to maintain quality educational programs. This restoration process is a slow one and will require several years to complete. But as the financial situation of the University improves and stabilizes, so does the level of morale and enthusiasm in the university community.

During the past year the Amherst Campus went through an intensive self-study procedure in partial fulfillment of requirements for reaccreditation by the New England Association of Schools and Colleges. The self-study committee reported that academic departments on campus are beginning to adjust to the financial realities of living with less. The departments were forced to take a critical look at themselves, to examine their priorities, and to determine their minimum needs in order to cope with the eroding economic value of the dollars allocated to them. The self-study exercise caused departments to reassess needs and priorities and will greatly aid the campus as we move forward. The questioning and probing of the planned visitation committee will further focus and address important issues for campus concern.

The 1978 fiscal year brought several changes in personnel throughout the University. A President, Acting Vice Chancellor for Academic Affairs and Provost, and a new Vice Chancellor for Student Affairs were selected. The Vice Chancellor for Administration and Finance announced his resignation. Finally, I announced my resignation, effective at the end of 1978/1979 academic year.

Classified and professional employees received long awaited cost-of living raises in the spring of 1978 based on a salary adjustment pattern developed as a result of collective bargaining by the classified employees' union. The faculty, currently in collective bargaining after voting to join a union last year, were not eligible for these particular salary adjustments prior to contract agreements.

On the whole, fiscal 1978 can be viewed as a year in which the tide has turned. We will not experience the rapid growth of the 1960's, but the experience of passing through this period of consolidation has left us stronger and more dedicated to our goal of providing the best possible education to the citizens of the Commonwealth of Massachusetts.

A handwritten signature in dark ink, reading "R. W. Bromery". The signature is fluid and cursive, with a large, sweeping initial "R" and a long, horizontal stroke extending to the right.

Randolph W. Bromery  
Chancellor



## ABOUT THE UNIVERSITY OF MASSACHUSETTS AT AMHERST

The University of Massachusetts/Amherst Campus has just completed its 115th year of operations. Founded under the Morrill Act of 1862, a land grant act endowing colleges in every state of the union to meet the demand for technical education, as Massachusetts Agricultural College, then renamed Massachusetts State College in 1931, the University of Massachusetts was not known as such until 1947, at that time having an enrollment of 2,407 and a faculty of 160. The years since 1947 have been years of rapid growth for the University, especially during the 1960's. During fiscal year 1978 there were students pursuing studies in 8 associate, 86 bachelor, 60 masters and 45 doctoral degree programs on the Amherst Campus. In addition, 2,824 students were enrolled in credit courses and 1,407 in non-credit workshops offered by the Division of Continuing Education. During fiscal year 1977, 235 associate, 4,376 bachelors, 820 masters and 330 doctoral degrees were awarded. Research grants and contracts amounting to 13.6 million were received from federal agencies, state and local governments, and private enterprises. This support has allowed our faculty and staff to pursue many intensive and enlightening research projects. The physical plant of the Amherst Campus includes some 1,280 acres of land and over 8,800,000 square feet of building space serving the instructional needs of the academic community and hosting many cultural activities of Western Massachusetts. The Summary Information Sheet on the following pages presents highlights of the University of Massachusetts/ Amherst operations during fiscal year 1977.





1977 ANNUAL REPORT  
SUMMARY INFORMATION

<u>STUDENTS</u>	<u>FY 1978</u>	<u>FY 1977</u>
<u>APPLICATIONS (FOR FALL ENROLLMENT)</u>		
UNDERGRADUATE	17,762	16,011
GRADUATE	<u>5,217</u>	<u>5,094</u>
Total	22,989	21,105
<u>HEADCOUNT ENROLLMENT (FALL SEMESTER)</u>		
UNDERGRADUATE	13,840	18,890
GRADUATE	<u>5,113</u>	<u>5,217</u>
Total	23,953	24,107
<u>FTE ENROLLMENT (FALL SEMESTER)</u>		
UNDERGRADUATE	18,789	18,566
GRADUATE	<u>3,003</u>	<u>3,096</u>
Total	21,792	21,662
<u>DEGREES AWARDED</u>		
ASSOCIATES	215	269
BACHELORS	4,189	4,031
MASTERS	807	841
DOCTORATES	<u>353</u>	<u>345</u>
Total	5,564	5,486



1977 ANNUAL REPORT  
SUMMARY INFORMATION

PERSONNEL (AUTHORIZED) POSITIONS

FACULTY

PROFESSORS	517	517
ASSOCIATE PROFESSORS	465	465
ASSOCIATE PROFESSORS	393	393
INSTRUCTORS	42	42
LECTURERS	<u>47</u>	<u>47</u>
Total Faculty	1,464	1,464

PROFESSIONAL STAFF

STAFF ADMINISTRATOR	17	17
STAFF ASSOCIATE	52	52
STAFF ASSISTANT	100	100
OTHER	<u>309</u>	<u>309</u>
Total	478	478

CLASSIFIED STAFF

CLASSIFIED CLERICAL	645	645
CLASSIFIED TECHNICAL	321	321
OTHER	<u>798</u>	<u>798</u>
Total	1,764	1,764
Total Authorized Positions	3,706	3,706





1977 ANNUAL REPORT  
SUMMARY INFORMATION

<u>FINANCES</u>	<u>FY 1978</u>	<u>FY 1977</u>
<u>SOURCE OF FUNDS</u>		
<u>STATE</u>		
APPROPRIATION	\$72,570,000	\$70,147,974
COST OF LIVING	1,145,868	---
SPECIALS	<u>1,597,000</u>	<u>1,487,500</u>
TOTAL STATE	\$75,312,868	\$71,635,474
<u>FEDERAL</u>		
FINANCIAL AID	\$ 7,953,132	\$ 7,815,629
LAND GRANT	222,248	176,285
GRANTS & CONTRACTS	8,659,359	10,677,572
OTHER	<u>2,089,638</u>	<u>1,911,928</u>
TOTAL FEDERAL	\$18,924,377	\$20,581,414
<u>TRUST</u>		
ALLOCABLE FUNDS	\$ 4,365,329	\$ 3,462,080
REVENUE BASED FUNDS	40,886,512	34,553,687
OTHER	<u>2,600,000</u>	<u>2,250,877</u>
TOTAL TRUST	\$45,851,841	\$40,266,644
TOTAL	<u>\$142,089,086</u>	<u>\$132,483,532</u>



1977 ANNUAL REPORT  
SUMMARY INFORMATION

USE OF FUNDS

STATE

ACADEMIC PROGRAMS	\$45,352,700	\$44,462,316
ACADEMIC SUPPORT	4,339,376	4,255,498
STUDENT SERVICES	4,296,805	4,405,796
INSTITUTIONAL SUPPORT	7,680,451	4,853,701
PHYSICAL PLANT	<u>13,643,536</u>	<u>13,658,163</u>
TOTAL STATE	\$75,312,868	\$71,635,474

NON-STATE

ACADEMIC	\$18,488,713	\$17,563,468
ACADEMIC SUPPORT	2,858,370	1,195,742
STUDENT SERVICES	20,552,258	36,138,523
INSTITUTIONAL SUPPORT	20,334,413	1,752,147
PHYSICAL PLANT	<u>4,542,464</u>	<u>4,198,178</u>
TOTAL NON-STATE	\$66,776,218	\$60,848,058
TOTAL-ALL FUNDS	<u>\$142,089,086</u>	<u>\$132,483,532</u>





1977 ANNUAL REPORT  
SUMMARY INFORMATION

<u>COURSES</u>	<u>FY 1978</u>	<u>FY 1977</u>
<u>STUDENT CREDIT HOURS (FALL SEMESTER)</u>		
UNDERGRADUATE	281,832	278,436
GRADUATE	<u>36,031</u>	<u>37,069</u>
TOTAL	317,863	315,505
<u>AVERAGE SECTION SIZE (FALL SEMESTER)</u>		
UNDERGRADUATE	21	26
GRADUATE	8	5
ALL AVERAGE	17	21
<u>ALUMNI</u>		
NUMBER OF ALUMNI	68,624	62,250
NUMBER OF CONTRIBUTING ALUMNI	16,310	14,538
TOTAL ALUMNI CONTRIBUTIONS	\$400,132	\$303,325



## CAMPUS ORGANIZATION AND ADMINISTRATION

Administratively, the campus has two major functional areas: Academic Affairs and Student Affairs. Additionally, there are several other administrative and service units on campus. A detailed chart of campus administrative organization and descriptions of major administrative units is presented in the following pages.

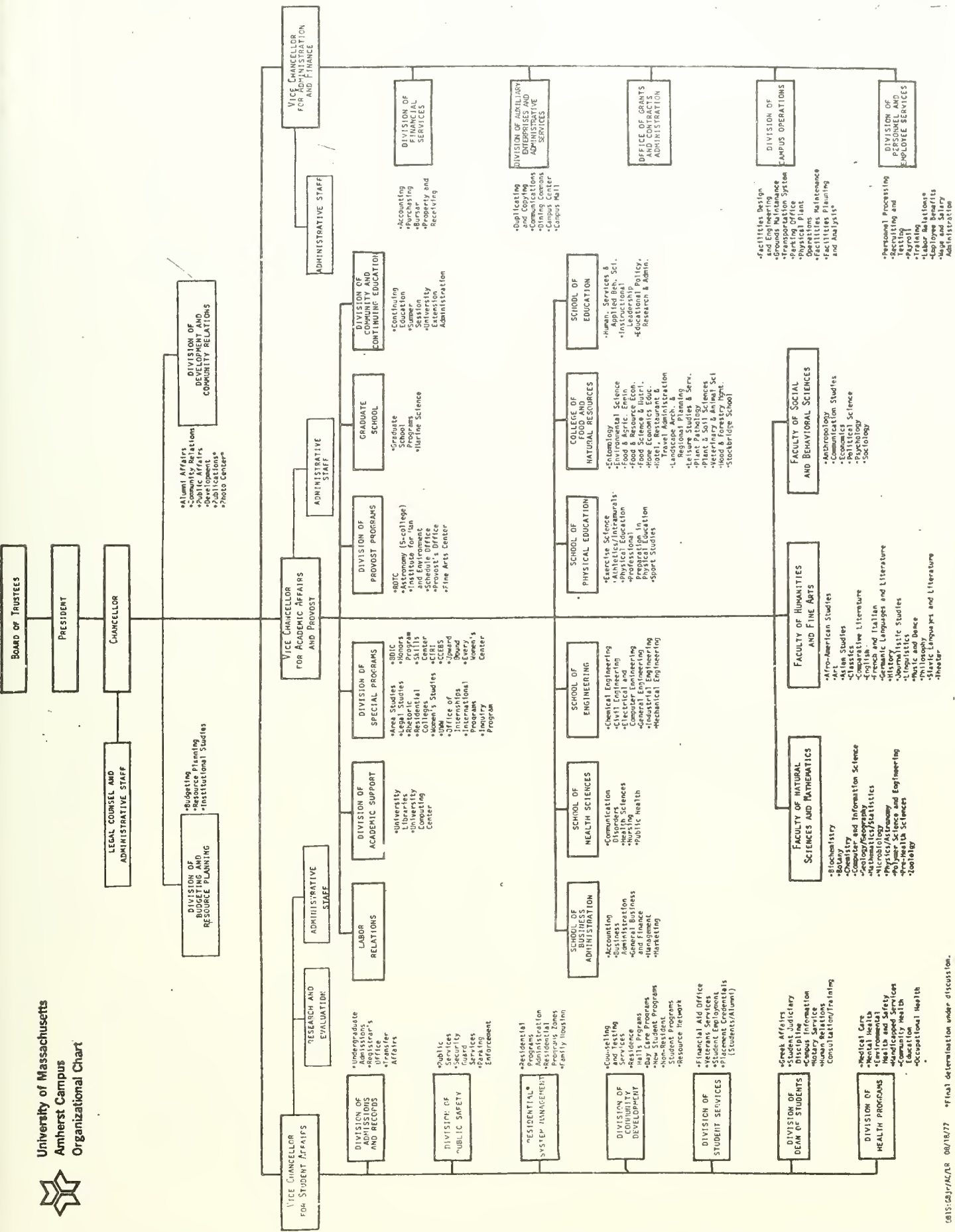
The Academic Affairs area includes regular academic departments, special academic service departments, academic support units such as the library, a school of graduate studies, and other specialized programs that directly affect academic programs. The Student Affairs area includes administrative activities that effect the quality of life of University of Massachusetts at Amherst students. Specifically, these areas are housing, food services, counseling and admissions, registration and records, and an office of residential life.

Other administrative activities are conducted by service units housed in staff support units. These staff support units include the Office of Planning, the Office of Budgeting and Institutional Studies, the Office of Alumni Affairs, and the Office of Public Affairs. Although the campus is organized primarily into two broad areas for administrative purposes, for programmatic and budgetary purposes five areas are considered:

- Academic Programs
- Academic Support
- Student Affairs
- Institutional Support
- Physical Plant Operations









## CHANCELLOR'S AREA

### 1. Chancellor

The Chancellor is the chief executive officer of the campus and is responsible for carrying out policies and procedures as established by the Board of Trustees and the University President. Additionally, the Chancellor is responsible for the establishment of broad, long-range academic, student, fiscal, and personnel policies; coordination of campus operations and policies, including budget development and allocation; academic and administrative program review; and liaison with campus governing units, the President's Office, and other external agencies.

### 2. Legal Counsel

The Legal Counsel is the chief legal officer at the Amherst Campus and is responsible for providing legal counsel to the Chancellor, other administrative officers, academic departments, and individual employees at the Amherst Campus on matters pertaining to University business. The Legal Counsel represents the University and the Commonwealth as Special Assistant Attorney General and also acts as liaison between General University Counsel and the Chancellor.

### 3. Division of Budgeting and Resource Planning

The Division of Budgeting and Resource Planning is responsible for the coordination of all budgeting, planning and institutional research activities for the campus. This includes the planning and development of capital and operating budgets, coordination of the development of long-range campus plans and the design and administration of effective information systems. Liaison with the President's Office, governmental agencies and other institutions on matters of budget, institutional studies, long-range planning and information systems is also the responsibility of this division. It is also charged with the responsibility to:

- A. Improve management efficiency;
- B. Provide information to aid in determining the most effective uses of campus resources; and
- C. Design administrative systems focusing on the information needs of central campus management.

Additionally, the Division of Budgeting and Resource Planning is responsible for implementing agreed-upon policies for the preparation of the State Maintenance Request budgets, campus operating budgets, capital requests and is responsible for the administration of current year budgets. The division also analyzes budgets and recommends changes in response to shifting campus priorities and/or available resources. Finally, it assists campus operating units in the development or improvement of budgetary systems. Within the Division of





Budgeting and Resource Planning are the following offices: Budgeting, Resource Planning, Institutional Studies, and Facilities Planning and Analysis.

#### 4. Division of Development and Community Relations

The Division of Development and Community Relations is responsible for communicating a positive image of the Amherst Campus both externally and internally and for the development of a comprehensive community relations program. In carrying out these duties the division has responsibility for:

- A. Assisting the University in gaining recognition as a vital resource for Western Massachusetts in social, economic and cultural affairs.
- B. Initiating programs and activities that will enable the University to work closely with the business and industrial segments of the community.
- C. Maintaining relations with the alumni and other external constituents.

Also, the division is responsible for the coordination of alumni relations, public events and special programs, and for public information (news media and publications). It must also establish policies and programs designed to increase funds flowing to the Amherst Campus through contacts with individuals, corporations and foundations. Offices within the division are: Alumni Affairs, Community Relations and Public Affairs, and Development.



## ACADEMIC AFFAIRS

### 1. Vice Chancellor for Academic Affairs and Provost

The Vice Chancellor for Academic Affairs and Provost is the chief academic officer of the campus and is responsible for the entire range of campus academic programs. Specifically, the responsibilities of the Vice Chancellor for Academic Affairs and Provost are:

- A. General academic development of the Amherst Campus and standards of excellence in instructional and scholarly programs;
- B. Implementation of Presidential and Trustee policies in academic matters, including the primary responsibility for consulting with Deans, Department Heads/Chairpersons and Program Directors on matters of academic policy;
- C. Review and evaluation of college, school and departmental academic plans and budgets, appointments, promotions, and tenure recommendations; proposal of new academic programs; and suggestions and plans to increase the usefulness of the University in outreach activities and innovative service programs;
- D. Response to issues arising in connection with academic matters, including those pertaining to the well-being of the faculty and its continued high standards of excellence.

Reporting to the Vice Chancellor for Academic Affairs and Provost are the Associate Vice Chancellors for Academic Affairs, who assist in the conduct of portions of the administrative activities in the academic affairs area; the academic deans, who have responsibility for specific academic programs; and the directors of academic support activities.





## STUDENT AFFAIRS

### 1. Vice Chancellor for Student Affairs

The Vice Chancellor for Student Affairs is responsible for student support services and non-classroom student activities including security, admissions and records, career planning and placement, financial aid, and related activities. As the chief student affairs officer for the campus, the Vice Chancellor for Student Affairs is responsible for the overall supervision of departments providing support services directed towards enhancing and facilitating the academic needs of students. Specifically, the Vice Chancellor for Student Affairs:

- A. Advises the Chancellor on non-academic matters relating to the quality of life for students on the campus.
- B. Bears responsibility under the Chancellor for implementation of Presidential and Trustee policies concerning the quality of life on campus, and has primary responsibility for consulting with Department Heads, Residential Area Directors, and student organizations on such matters and policies; and
- C. Serves as principal administrative liaison and advocate for student concerns on campus.

Principal staff reporting to the Vice Chancellor for Student Affairs includes two Associate Vice Chancellors and the divisions of: Admissions and Records, Community Development, Public Safety, Student Services, Dean of Students, and Health Programs.

### 2. Associate Vice Chancellors for Student Affairs

The Associate Vice Chancellors provide major administrative support to the Vice Chancellor for Student Affairs in the areas of organization management, systems development/analysis, program planning, and personnel management. Functionally, responsibilities of the Associate Vice Chancellors are divided into the areas of management systems and human services. The Associate Vice Chancellor for Management Systems serves as the chief budget and personnel officer for Student Affairs, and assumes primary responsibility for the supervision of the area's program assessment, personnel evaluation systems, and oversees the division's Affirmative Action Program. The Associate Vice Chancellor for Human Services assumes major administrative responsibilities for the coordination of Student Affairs' human services programs (i.e. Health Education, psychological counseling, admissions counseling and career advising, and maintains Student Affairs' program development and long-range planning function.



### 3. Division of Admissions and Records

The Division of Admissions and Records is responsible for all administrative procedures pertaining to undergraduate admission and the maintenance of official student academic records. The division is responsible for establishing effective recruiting and information programs relative to campus undergraduate programs. The division is also responsible for establishing liaison between the campus' academic programs and counselors in high schools and community colleges in the Commonwealth. Additionally, the division is responsible for evaluating student credentials for admission to campus programs to ensure that Trustee, Presidential, and Commonwealth policies are followed.

### 4. Division of Community Development

The Community Development Center provides a variety of services to students in the areas of career and life counseling, testing, residence hall programming, new students' orientation, and child care. CDC also maintains the Resource Network, an assemblage of staff and other interested persons who come together for the purpose of sharing information and resources.

### 5. Division of Public Safety

The division of Public Safety is responsible for providing law enforcement and security services to the entire campus community. The services offered by Public Safety include uniformed services, parking enforcement, crime prevention, criminal investigation, and education and training services.

### 6. Division of Student Services

The Division of Student Services is responsible for establishing and operating programs to help students gain financial and employment assistance both before and after graduation. The division is responsible for the implementation of financial aid and veterans affairs programs that conform to Commonwealth, University, and national guidelines.

### 7. Division of Dean of Students

The Division of the Dean of Students is responsible for student disciplinary procedures and for the enforcement of a student disciplinary code for the campus. The division is also responsible for liaison with fraternities and sororities, and for supplying information to students about various aspects of campus programs and life.

### 8. Division of Health Programs

The Division of Health Programs is responsible for providing health services to students on campus and, to a limited extent, to members of the professional staff. In addition to a full range of health





service programs for students, the division of Health Programs is responsible for occupational health, community health education and environmental health and safety for the campus. Health Programs also coordinates the University's Office of Handicapped Affairs.

9 Division of Residential Resource Management

The Office of Residential Resource Management carries the responsibility for residence hall operations and maintenance. ORRM coordinates housing assignments to dormitories, purchasing, inventory, repairs, damage billing, physical modifications, and renovations of residence hall structures. ORRM and the Community Development Center share the responsibility for the total operation of the University's 11,000 bed residence hall system, one of the largest in the country.

10. Student Affairs Research and Evaluation (SAREO)

The Student Affairs Research and Evaluation Office serves as an information-gathering and analytical resource to the entire Student Affairs Division. SAREO conducts research into a number of timely issues of interest to Student Affairs and the campus community, and operates Project PULSE, a student opinion survey series.



## ADMINISTRATION AND FINANCE

### 1. Vice Chancellor for Administration and Finance

The Vice Chancellor for Administration and Finance is responsible for establishing and administering Amherst Campus programs in areas of financial services; personnel and employee services; campus operations; auxiliary enterprises and administrative services. In this capacity the Vice Chancellor participates with other principal administrative officers in campus policy development. Other duties of the Vice Chancellor for Administration and Finance are:

- A. Development of comprehensive evaluation programs to ensure the best use of limited campus resources and ensuring that policies comply with the University and State policies and procedures concerning the use of University resources.
- B. Development of financial and personnel management policies and procedures that ensure compliance with University, Commonwealth, and Federal rules and regulations and that provide essential personnel services to all employees.
- C. Development of procedures and policies that ensure maximum participation by the University community in grant and proposal writing and administration.
- D. Development of procedures and policies that ensure maximum accountability for the use of University resources.
- E. Provision of services to facilitate and enhance the operations of academic and student programs.

### 2. Associate Vice Chancellors for Administration and Finance

The Associate Vice Chancellors for Administration and Finance report to the Vice Chancellor for Administration and Finance and assist the Vice Chancellor in carrying out administrative and management responsibilities. Specific duties and responsibilities will be developed and assigned by the new Vice Chancellor.

### 3. Division of Campus Operations

The Division of Campus Operations is responsible for the overall administration of plant maintenance and operations and the provision of logistical services and also functions in a staff capacity with the Vice Chancellor for Administration and Finance. Responsibilities for transportation and parking, for maintenance of physical facilities and for planning and administering a campus utilities program also rest with the Division of Campus Operations.

### 4. Division of Personnel and Employee Services

The Division of Personnel and Employee Services is responsible for the overall administration of personnel, payroll, employee relations





and wage and salary administration functions at the Amherst Campus. The division also serves in a staff capacity to the Vice Chancellor for Administration and Finance in the development of personnel and employee relations policies. The offices reporting to the Director of Personnel and Employee Services are: Personnel Processing, Recruiting and Testing, Payroll, Training, Labor Relations, Employee Benefits and Wage and Salary Administration.

5. Division of Auxiliary Enterprises and Administrative Services

The Division of Auxiliary Enterprises and Administrative Services plans, directs and supervises the activities of auxiliary enterprises and administrative support services for the campus. Responsibilities also include management of the Campus Center, dining facilities and residence hall system. Additionally, the division is responsible for providing photo reproduction, copying, duplicating, mail and communication services for the campus.

6. Division of Financial Services

The Division of Financial Services is responsible for providing accounting, purchasing, and other financial services to the campus. It is also responsible for establishing, reviewing and carrying out campus policies for the management and reporting of financial information; for assuring the accuracy of campus financial data; and for certifying adherence to state and federal laws, rules, and regulations governing the expenditure of funds.



## ACADEMIC PROGRAMS

During the year the Amherst Campus went through an intensive self-study procedure in partial fulfillment of requirements for reaccreditation by the New England Association of Schools and Colleges. Four questions were addressed first at the departmental level, then at the school level and finally at the Campus level. These four questions were, briefly:

1. What are the nature and quality of the educational experiences at UMass/Amherst?
2. What are the makeup and needs of the student body?
3. What are the effects of the "Consolidation Phase?"
4. What effect do Five College programs and opportunities have on the UMass/Amherst community?

The departments were forced to take a critical look at themselves, to examine their priorities, and to determine their minimum needs. The Self-Study exercise caused the individual departments to be aware of each other's needs and problems as well as of those needs and problems facing the campus as a whole. Essentially, the Self-Study had a "consciousness-raising" influence on the campus.

In a difficult administrative action, the newly hired Vice Chancellor for Academic Affairs was replaced, in an acting capacity, by the Dean of Humanities and Fine Arts. This action was precipitated by inappropriate use of authority on the part of the Vice Chancellor.





## ACADEMIC SUPPORT

The two major areas of academic support are the University Computer Center and the Library. Use of the Control Data Cyber installed three years ago in the Computer Center (UCC) continues to increase, as does the Remote Job Entry Unit in the Social and Demographic Research Institute. Use of these computer resources is being incorporated more and more frequently into course assignments. In addition, UCC has hired more consultants to assist faculty and students with programming and statistical problems. These consultants also offer mini-courses in several programming languages and in the possible applications and availability of data sets and software. Computer use measurements are summarized below.

	JOB COUNTS			Percent Change	
	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1976</u>	<u>1978</u>
Batch	130,695	141,355	150,600	15.2%	
Remote Job					
Entry	13,292	21,122	29,381	121.0%	
Telex Sign-ons	318,060	386,000	410,724	29.1%	
Percent Downtime	2.7%	1.3%	2.4%		

In fiscal 1978, the University Library's collection of bound volumes and other items increased 3.6% from 1,587,653, the smallest yearly percent increase since 1960. Our rank among libraries belonging to the Association for Research Libraries has fallen from 36th in 1975 to 48th in 1978. The library area most affected has been acquisitions which has sustained a 35% decrease in expenditures from the previous year. Fiscal 1979 will see a large special state appropriation for library acquisitions, but this appropriation will allow us only to maintain our position, not to improve it. In fiscal 1978, library expenditures per FTE student were \$38.52, down 12.6% from the \$44.09 in fiscal 1977. The Association of Research Libraries median for fiscal 1978 was \$76.03/FTE student.



## STUDENT SERVICES

During the year, 1977-78, a number of changes took place in the organization of the admissions and records function. Responsibility for admissions, formerly under the Dean of Admissions and Records, was divided between the Director of Freshman Admissions and the Director of Transfer Admissions. The Registrar and the Records Office will, as a result of this change, report to the Director of Student Services.

Applications to the University during 1977-78 increased again after the decline experienced with the institution of an application fee. The class of 1981, entering in the fall of 1977 numbered 4,100 students, the largest freshman class in the history of the institution.

During January, 1978 the Resource Network of the Community Development Center sponsored a "Micro-College" for staff and other interested persons, focusing on the University's reaccreditation self-study process. As in previous years, a large number of staff attended and developed a clearer understanding of the University in general and Student Affairs in particular.

During the year, planning was completed for a campus Information Data Bank to be operated from the Dean of Students Office. The Data Bank will provide "first-line" information on most campus offices, agencies, and departments, and will provide referrals for more detailed information. The Data Bank will also be open in the evenings to help serve non-traditional students and others who have difficulty visiting university offices during business hours.

During 1978, Health Services received its periodic review by the American College Health Association. The ACHA survey team had the highest praise for the University's Health Services, saying, in part that they found Health Services to be "one of the best we have encountered in our experience. It is a well integrated, educationally oriented health care system which is being made available to the students of the University at an incredibly reasonable price. We came expected to be impressed, and we were."

Health Services also moved forward during 1977-1978 with the continued expansion of the Valley Health Plan, a health maintenance organization which offers comprehensive medical care to state employees who choose the Health Center as their service delivery site.

During 1977-1978, the Department of Public Safety's Emergency Operations Center became fully operational. The EOC, located in Dickinson Hall, serves as a central decision-making and communications center in the event of emergencies on campus which might lead to unnecessary chaos if handled in the field. The EOC maintains maps, telephones, and other communications equipment so that key decision-makers can coordinate their activities with full access to information concerning the actions of other campus agencies.





In Residential Resource Management, after a somewhat confusing fall opening in 1977, the Vice Chancellor for Student Affairs established a Housing Task Force for the purpose of determining possible areas of improvement in housing assignment and other residence hall systems. During the course of the year the Task Force made a number of recommendations, resulting in substantially improved service to the students living in the residence halls.

The implementation of the first phase of an extensive fire safety program in the University's dormitories was implemented in 1978. As a result of a study completed by the Division of Environmental Health and Safety, ORRM installed smoke detectors in every student room as the first step in upgrading the residence hall system's fire safety. Within three months of installation, the smoke detectors were credited with alerting dorm residents to a potentially lethal fire which might otherwise have gone undetected. ORRM also undertook planning during 1978 to implement other fire safety measures recommended in the Environmental Health and Safety report, including smoke/heat detector and sprinkler installation in future dorm renovations.

During 1977-78 Student Affairs Research Evaluation Office (SAREO) once again took the lead in administering the Five Colleges CYCLES survey, designed to elicit student opinions of lifestyle, academic, social, and personal experience, and quality of life at the five area colleges. SAREO also conducted a survey of UMass alumni to determine their attitudes and perceptions of the University; a study of on-campus recruiters using the University's Placement Office to discover how companies decide where to recruit; and a first-in-the-nation victimization study for the Department of Public Safety, to determine the types and frequency of crimes committed on campus, and public attitudes toward the campus police.

Project PULSE continued its weekly surveys during the school year, serving campus agencies such as the Office of Residential Resource Management, the Office of Handicapped Student Affairs, the Demonstration Alcohol Education Project, and the Career/Life Development Team of the Community Development Center. In conducting these surveys, Project PULSE contacted more than three thousand UMass students.

During 1977-78, the Student Services Office experienced a number of organizational changes. The vacant Director of Placement position was filled; a search was begun to fill the vacant Director of Financial Aid position; and plans were made to have the Records Office report to Student Services.

For the first time, all financial aid information and application materials were brought together into a single publication, taking much of the confusion out of the financial aid application process. The Student Employment Office, part of Financial Aid, made plans to implement a Student Employment Job Bank to match students seeking work with openings in the Amherst area, and the Placement Office initiated a computer-based job matching system.



During 1977-1978 the Vice Chancellor's Office conducted several self-studies of the programs and services offered by the Student Affairs Division. These self-studies were undertaken in compliance with the regulations established by the Department of Health, Education and Welfare under Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973. The Title IX self-study evaluated the Division's compliance with regulations prohibiting discrimination on the basis of sex in institutions accepting federal financial support. The Section 504 study made a similar evaluation of the accessibility of Student Affairs agencies and programs to the handicapped. Also during 1977-1978, the Vice Chancellor's Office completed a division-wide self-study as part of the University's decennial accreditation process by the Northeast Association of Secondary Schools and Colleges.

The Vice Chancellor's Office produced several new publications during 1977-1978, including a booklet on fire safety distributed to all dormitory residents as part of the residence hall fire safety program, and a newsletter to new students after the first few weeks of the semester.





## INSTITUTIONAL SUPPORT

During fiscal 1978 the Office of Grant and Contract Administration handled more than \$13.6 million, almost 10% of the total fiscal 1978 operating budget. The most notable grants (more than \$100,000) are listed on the following page. Beyond the support of faculty and staff grant recipients, these awards often include money for research equipment and provide opportunities and support for graduate and undergraduate research assistants. Procurement of grant and contract support for the campus will be aided by this year's decision that OGCA will accept responsibility for reproducing and transmitting all proposals to potential sponsors. This will ease the time and cost of copying and mailing numerous copies of proposals by individual departments or researchers.

In 1975, an audit was undertaken by DHEW of all federal grants and contracts administered by the School of Education between July 1, 1969 and January 30, 1975. The audit was initiated because of charges of "misuse and/or mismanagement" of the \$12.5 million worth of awards received by the School of Education during this time period. The Audit Agency report recommended disallowances of \$364,872, later reduced to 131,209 by the Office of Education. In the spring of 1978, the Amherst Campus Director of OGCA and the head of the government's Audit Resolution Staff agreed on a still lower figure: \$80,460. On June 29, 1978 a check for that amount was sent to the U.S. Office of Education which fully and finally settled the matter.

In 1978, a Director of Data Processing was hired to coordinate activities in the Data Processing Center, a combination of the two administrative computing units, Management Systems and Information Processing Center. The new Data Processing Center should be able to cope with rapidly increasing and backlogged data processing requests.

As of the end of fiscal year 1978, the Alumni Office had 68,624 living alumni on record, 16,310 of whom contributed a total of \$400,132 during the year. The Alumni Office also sponsored many cultural and sports events in addition to chartered tours of the Soviet Union, Majorca, Monte Carlo, and Martinique.

The Office of Budgeting and Institutional Studies underwent some changes in FY 1978. The Director resigned and was replaced by the former Associate Director; a Coordinator of Institutional Studies and Long Range Planning was hired, and the Deputy Director resigned. The Institutional Studies area produced many new reports and many improvements were made in the efficiency of the budget process.



## GRANTS OVER \$100,000

<u>PRINCIPAL INVESTIGATOR</u>	<u>DEPARTMENT</u>	<u>TITLE</u>	<u>FUNDING AGENCY</u>	<u>AMOUNT</u>
Berger, Bernard	Water Resources & Research Center	Annual Allotment Program FY 1978	U.S. Department of the Interior-- Office of Water Research and Tech- nology	\$110,000
Boothroyd, Geoffrey	Mechanical Engineering	Design for Manufacturability	National Science Foundation	\$271,000
Brehm, John J. Golowich, Eugene	Physics and Astronomy	Elementary Particle Theory	National Science Foundation	\$102,900
Darity, William	Public Health	Formula Grants to Schools of Public Health	Public Health Ser- vice--Health Resources Administration	\$153,096
Haggerty, Stephen	Geology and Geography	The Mineral Chemistry of Oxides and Sulf- ides in Selected Suites of Mafic and Ultramafic Igneous Rocks	National Science Foundation	\$103,400
Huguenin, Richard	Physics and Astronomy	A Millimeter Wave Telescope	National Science Foundation	\$250,000
Huguenin, Richard Yngvesson, Sigfrid	Physics and Astronomy	Astronomy Research at the Five-College Radio Astronomy Observatory	National Science Foundation	\$825,000
Kraft, David	Health Services	A University Demon- stration Alcohol Education Project	National Institute of Health--NIAAA	\$126,599
Kreisler, Michael N.	Physics and Astronomy	High Energy Physics --Spark Chamber Program	National Science Foundation	\$170,000
Riseman, Edward	Computer and Information Science	A Computer System for Visual Inter- pretation of Natural Scenes	National Science Foundation	\$163,400
Rossi, Peter H. Wright, James D.	Sociology	Research Program on Natural Disaster Recovery Processes: Relief, Rehabilita- tion and Preparedness	National Science Foundation	\$367,500
Shafer, Janice B.	Physics and Astronomy	High Energy Physics	U.S. Department of Energy	\$132,000
Siggia, Sidney Uden, Peter	Chemistry	The Characterization and Analysis of Oil Shale and Shale Oil	National Science Foundation	\$144,400
Streets, Donald Jordan, Daniel	Education	National Spiritual Assembly of the Baha'is	National Spiritual Assembly of the Baha'is	\$104,328
Wolf, Thomas Hruska, Jack	Education	UMass/Worcester Teacher Corps	U.S. Office of Education	\$138,220



Another successful year of Chancellor's Lecture Series was completed. This year's distinguished speakers were:

1. Bernard B. Berger, Director of Water Resources Research Center and Professor of Civil Engineering  
"Water Supply: A Limiting Resource?"
2. Barbara H. Partee, Professor of Linguistics and of Philosophy  
"Logic, Language and the Mind"
3. Richard S. Stein, Director, Polymer Research Institute and Commonwealth Professor of Chemistry  
"Exploring the World of Large Molecules"
4. William E. Connolly, Professor of Political Science  
"Is the Welfare State Legitimate?"





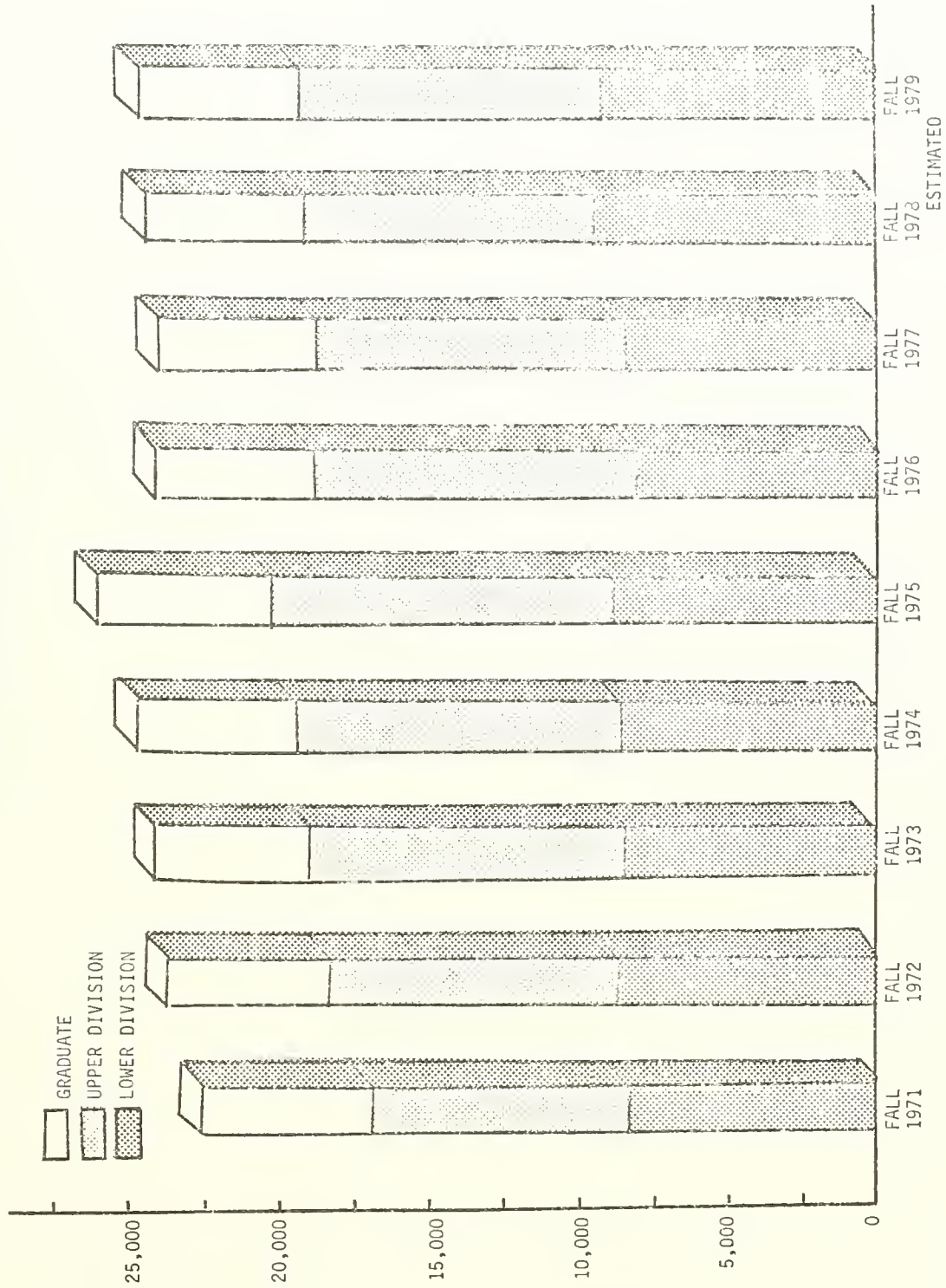
## PHYSICAL PLANT

One of the most visible activities of the Physical Plant during 1978 was the modification of buildings to increase accessibility to handicapped students. Several vans have been purchased and counselors hired to help these students as well.

Increasing general accessibility to the campus has been the acquisition of 26 new buses to serve local off-campus students and staff. These buses, purchased with funds from the Urban Mass Transit Act Grant, minimize the number of cars brought to campus, thereby alleviating the need for more parking space and reducing the amount of gasoline consumed. It is estimated that 17,500 people use the UMass buses every day.



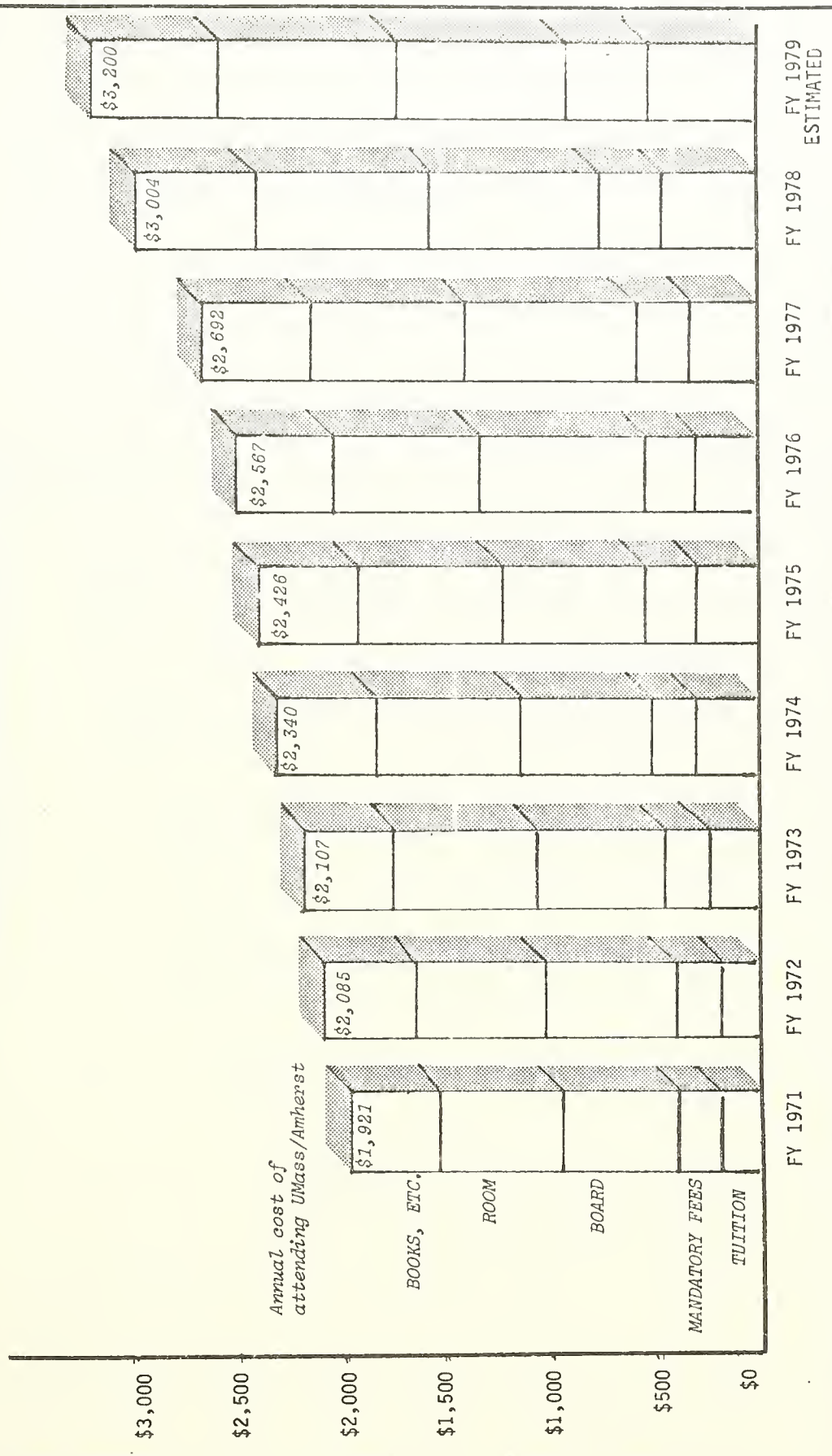
UNIVERSITY OF MASSACHUSETTS AT AMHERST  
HEADCOUNT ENROLLMENT DISTRIBUTION





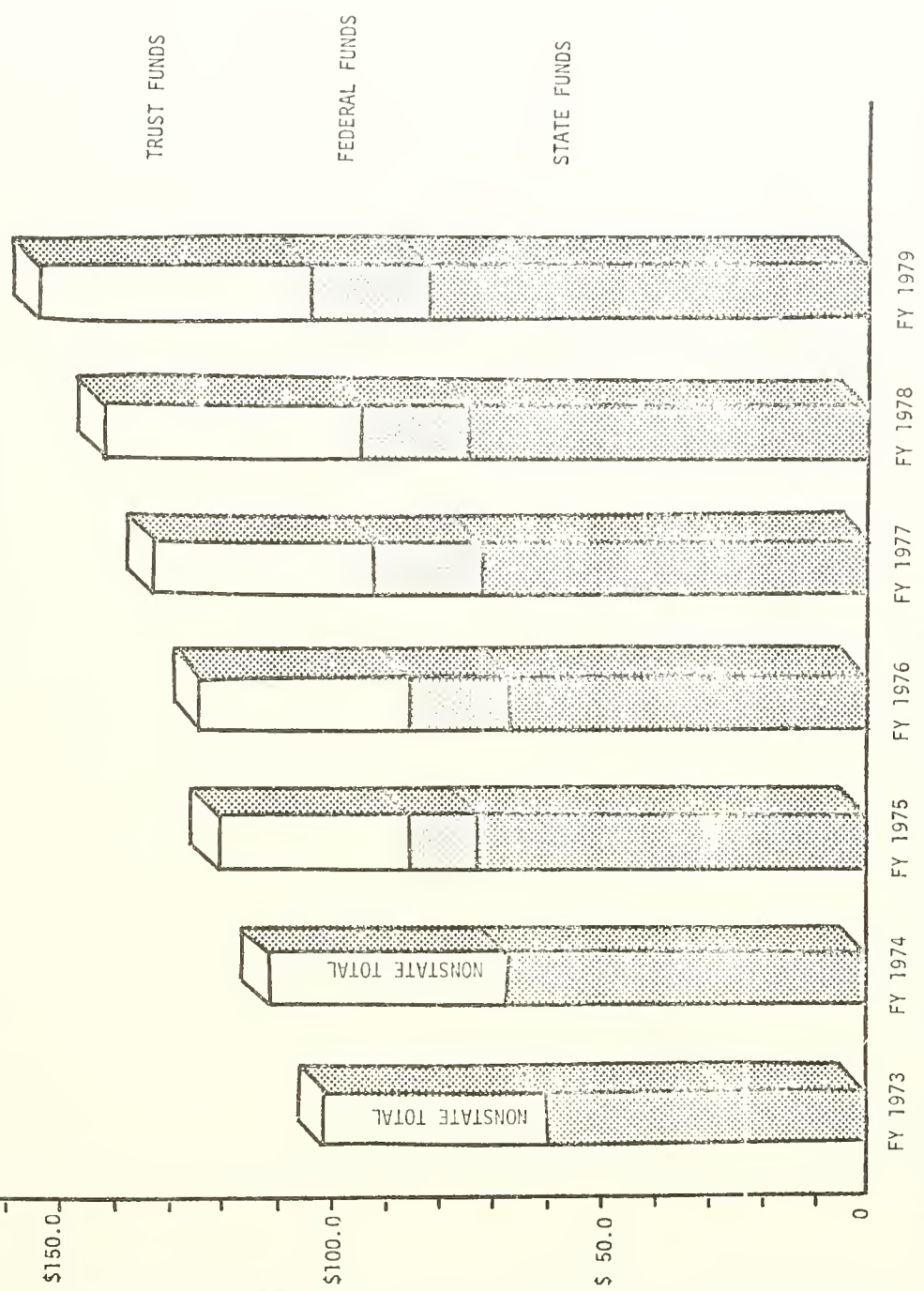


UNIVERSITY OF MASSACHUSETTS AT AMHERST  
STUDENT COSTS - UNDERGRADUATE RESIDENT STUDENTS





UNIVERSITY OF MASSACHUSETTS AT AMHERST  
OPERATING BUDGET  
(IN MILLIONS OF DOLLARS)





UNIVERSITY OF MASSACHUSETTS AT AMHERST  
TEN-YEAR SUMMARY OF OPERATIONS

	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969
UNDERGRADUATE ENROLLMENT	18,840	18,890	20,389	19,523	18,971	18,331	16,938	15,998	15,086	13,445
GRADUATE ENROLLMENT	5,113	5,217	5,495	5,176	5,167	5,370	5,567	4,464	3,801	3,107
UNDERGRADUATE DEGREES	4,611	4,300	4,664	4,277	4,409	3,966	3,625	3,362	3,220	2,811
GRADUATE DEGREES	1,210	1,186	1,334	1,262	1,353	1,588	1,143	1,115	848	762
UNDERGRADUATE APPLICATIONS	19,278	16,825	21,374	20,831	20,576	23,222	28,807	22,569	24,110	21,622
GRADUATE APPLICATIONS	8,438	7,905	9,844	11,406	12,204	13,417	14,578	12,788	10,111	7,365
ACADEMIC <sup>E</sup> STAFF	1,579	1,579	1,575	1,591	1,564	1,529	1,472	1,372	1,272	1,057
PROFESSIONAL STAFF	363	363	367	368	356	342	337	330	325	218
CLASSIFIED STAFF	1,764	1,764	1,764	1,774	1,762	1,736	1,732	1,619	1,507	748
STATE MAINTENANCE APPROPRIATION	\$72,570,000	\$68,099,044	\$66,440,889	\$70,265,499	\$63,074,152	\$57,837,173	\$53,416,296	\$47,571,160	\$40,525,650	\$33,524,500
STATE SPECIAL APPROPRIATION	\$1,597,000	\$1,487,500	\$1,216,600	\$1,910,400	\$1,450,800	\$1,247,190	\$1,200,734	\$1,815,834	\$1,910,617	\$1,625,492 <sup>D</sup>
STATE CAPITAL OUTLAYS	\$1,145,868	\$2,048,980	\$-0-	\$494,172	\$854,172 <sup>C</sup>	\$-0-	\$218,500	\$2,000,000	\$-0-	\$1,197,895

<sup>A</sup> Includes Stockbridge School Information.

<sup>B</sup> Includes C.A.G.S. Degrees.

<sup>C</sup> Library Books \$494,172; Gloucester \$360,000.

<sup>D</sup> Includes \$100,000 for library books.

<sup>E</sup> Includes non-instructional faculty in extension and control services.

SOURCES: Undergraduate, Graduate and Stockbridge Registrar's reports; Undergraduate Annual Report of the Admissions and Records Committee; Appropriation Acts by Fiscal Year; and the University of Massachusetts Financial reports by fiscal year.









BOSTON





ANNUAL REPORT  
FISCAL YEAR 1978



# SUMMARY OF STATE FUNDING BY SUBSIDIARY ACCOUNTS

<u>SUBSIDIARY ACCOUNT</u>	<u>FISCAL 1977 EXPENDITURES</u>	<u>FISCAL 1978 EXPENDITURES</u>
01 Salaries, Permanent	\$13,617,959	\$14,475,380
02 Salaries, Other	83,007	99,120
03 Services, Non-Employee	1,055,498	1,168,645
04 Food	550	200
05 Clothing	1,791	4,495
06 Housekeeping Supplies	17,488	21,998
07 Lab and Medical Supplies	4,989	5,998
08 Utilities	1,650,156	1,809,967
09 Farm and Grounds	11,184	13,490
10 Travel	54,977	70,000
11 Advertising and Printing	91,870	114,000
12 Maintenance and Repairs	394,428	411,666
13 Special Supplies	821,074	699,608
14 Administrative Expenses	372,798	412,963
15 Equipment	158,287	174,685
16 Rentals	<u>315,999</u>	<u>371,995</u>
	\$18,652,055	\$19,854,210



SUMMARY OF NON-STATE FUNDS BY COST ELEMENT

<u>DESCRIPTION</u>	<u>FISCAL 1977 EXPENDITURES</u>	<u>FISCAL 1978 EXPENDITURES</u>
Salary and Wages	\$1,547,870	\$3,219,105
Services	1,190,364	282,788
Travel	57,084	74,267
Advertising and Printing	35,921	54,621
Maintenance and Repairs	24,498	23,952
Supplies	250,604	136,130
Administrative Expenses	97,836	138,207
Equipment	82,335	96,086
Rental	462,039	394,491
Student Support	1,806,906	881,370
Miscellaneous	<u>81,562</u>	<u>582,381</u>
	\$5,637,019	\$5,883,398





FACULTY

<u>Full-Time</u>	<u>Fall 1976</u>	<u>Fall 1977</u>
Professor	68	66
Associate Professor	106	122
Assistant Professor	139	125
Instructor	20	10
Lecturer	<u>13</u>	<u>18</u>
Total Full-Time Faculty	346	341

<u>Part-Time</u>	<u>Fall 1976</u>	<u>Fall 1977</u>
Professor	7	10
Associate Professor	15	13
Assistant Professor	26	20
Instructor	13	7
Lecturer	<u>102</u>	<u>151</u>
Total Part-Time Faculty	163	201



PROFESSIONAL STAFF

<u>Title</u>	<u>Fall 1976</u>	<u>Fall 1977</u>
Chancellor	1	1
Deputy Chancellor	2	3
Dean	2	3
Director	-	1
Associate Dean	1	2
Assistant Provost	-	-
Staff Administrator	9	16
Staff Associate	30	31
Staff Assistant	41	46
Engineer-Construction	2	3
Supt. Bldgs. & Grnds.	1	1
Professional Technician	4	5
Librarian I	8	6
Librarian II	10	8
Librarian III	4	5
Librarian IV	2	2
Library Director	<u>1</u>	<u>1</u>
Total Professional Staff	118	134



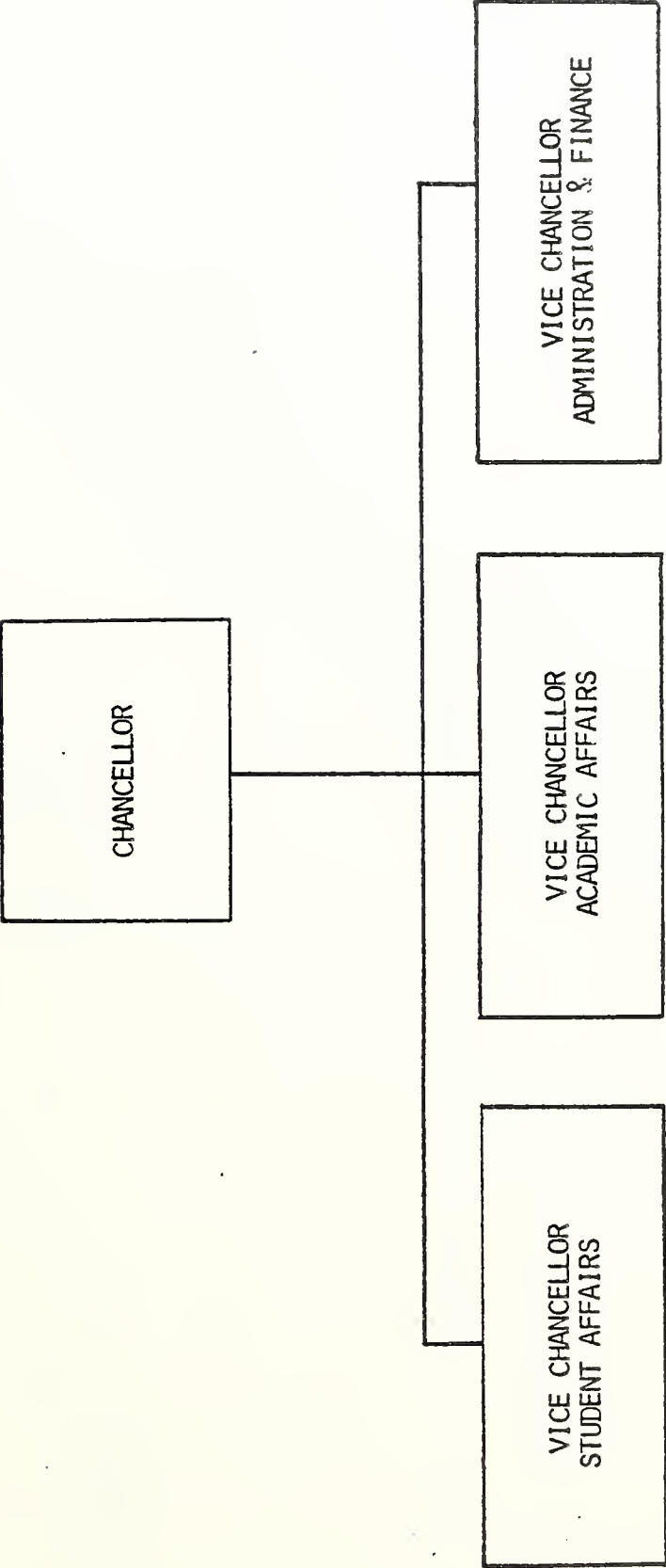


CHANCELLOR

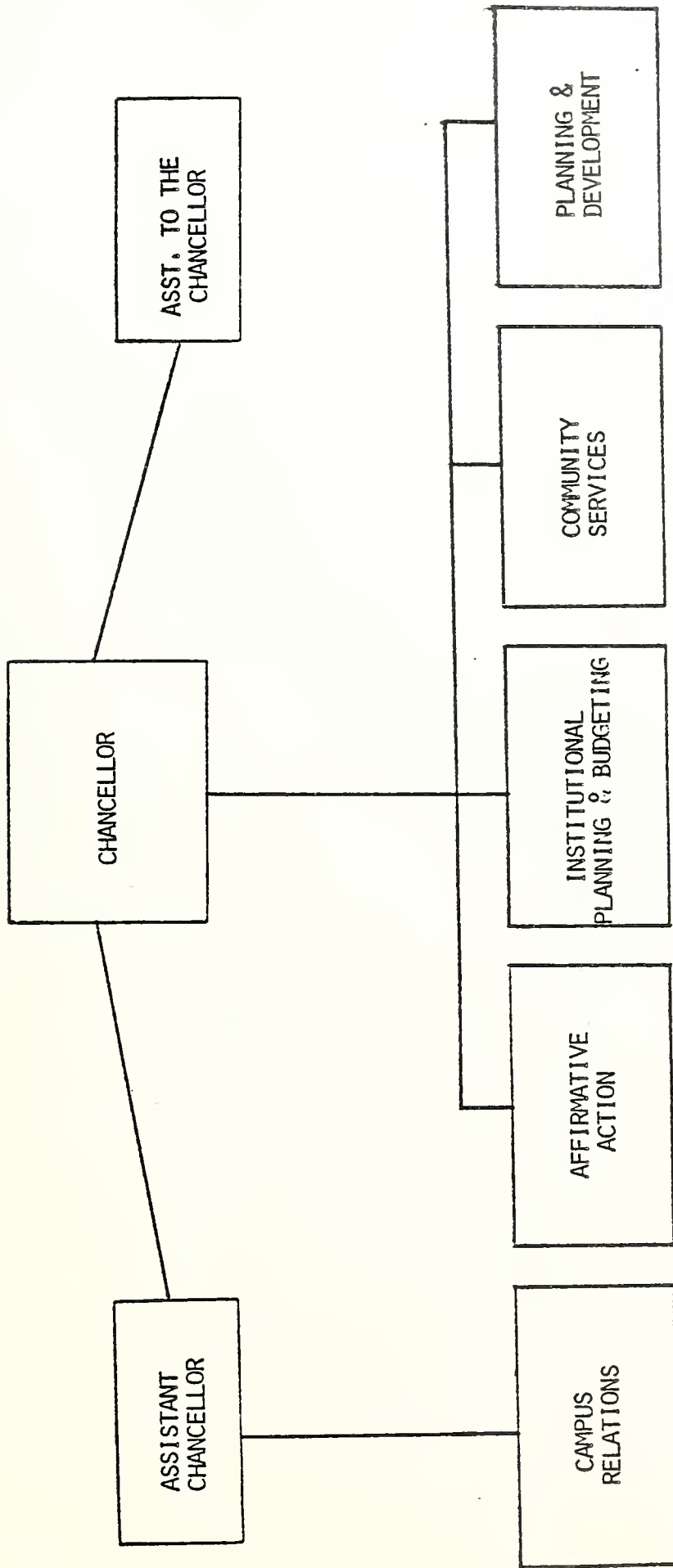
VICE CHANCELLOR  
STUDENT AFFAIRS

VICE CHANCELLOR  
ACADEMIC AFFAIRS

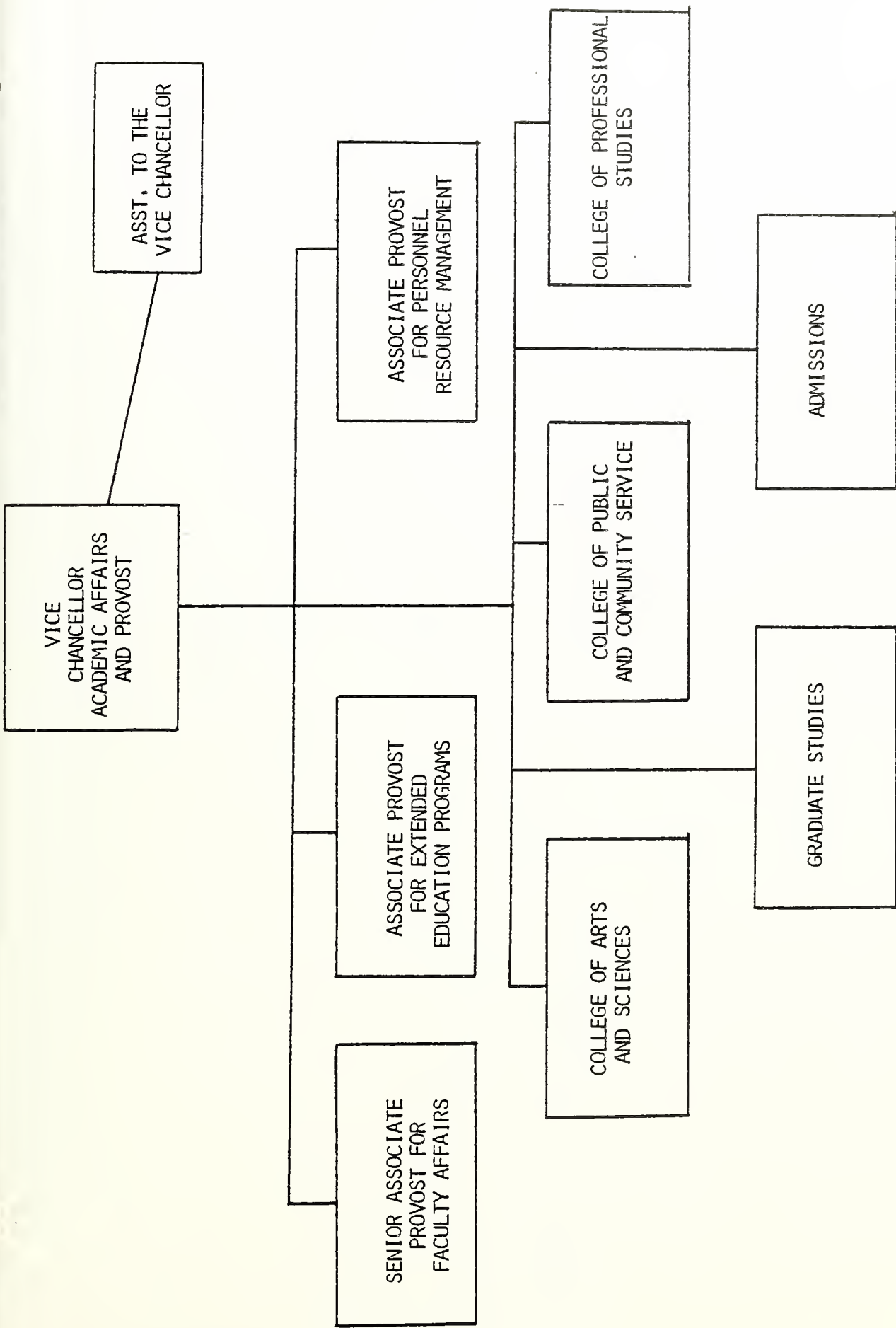
VICE CHANCELLOR  
ADMINISTRATION & FINANCE





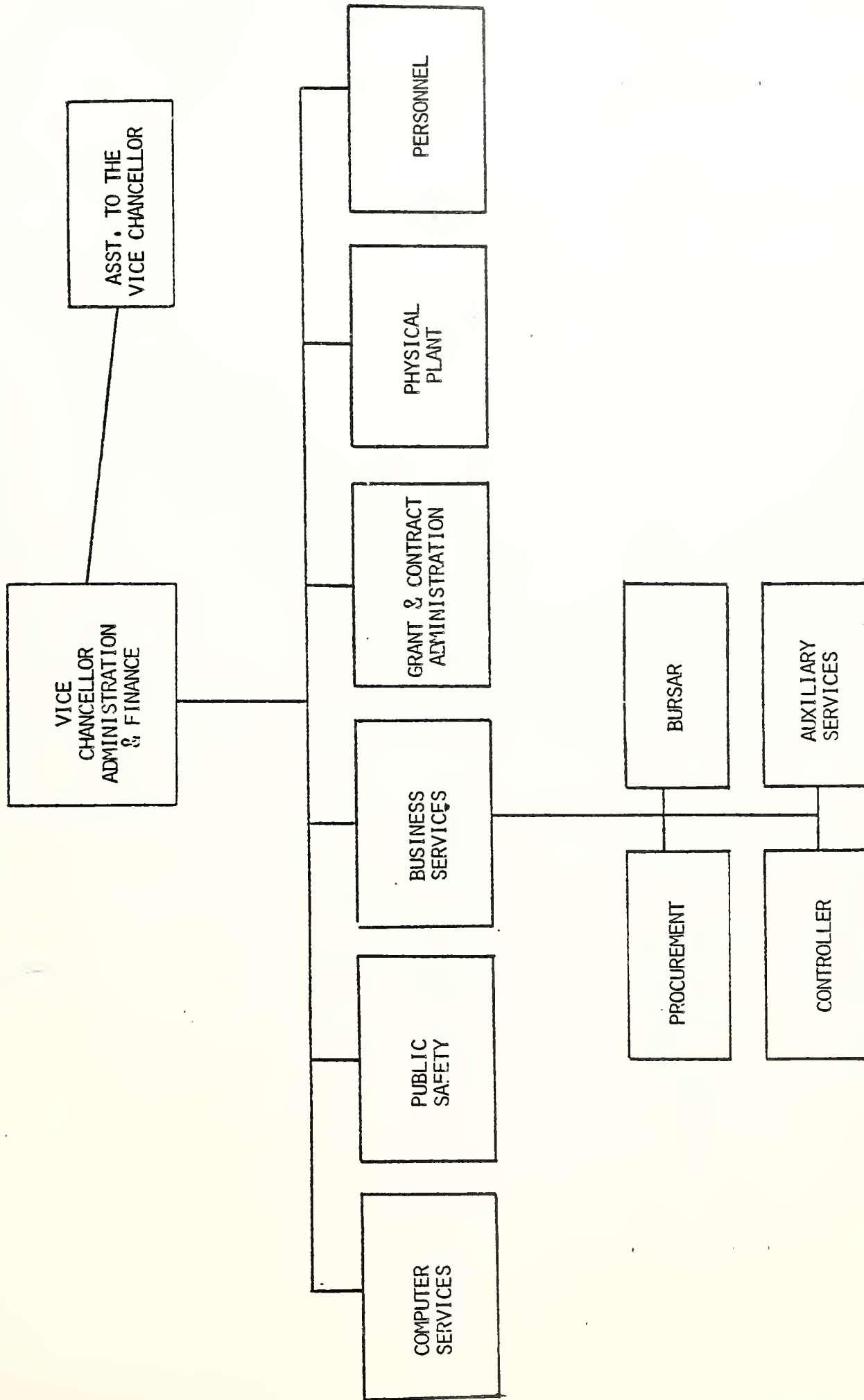




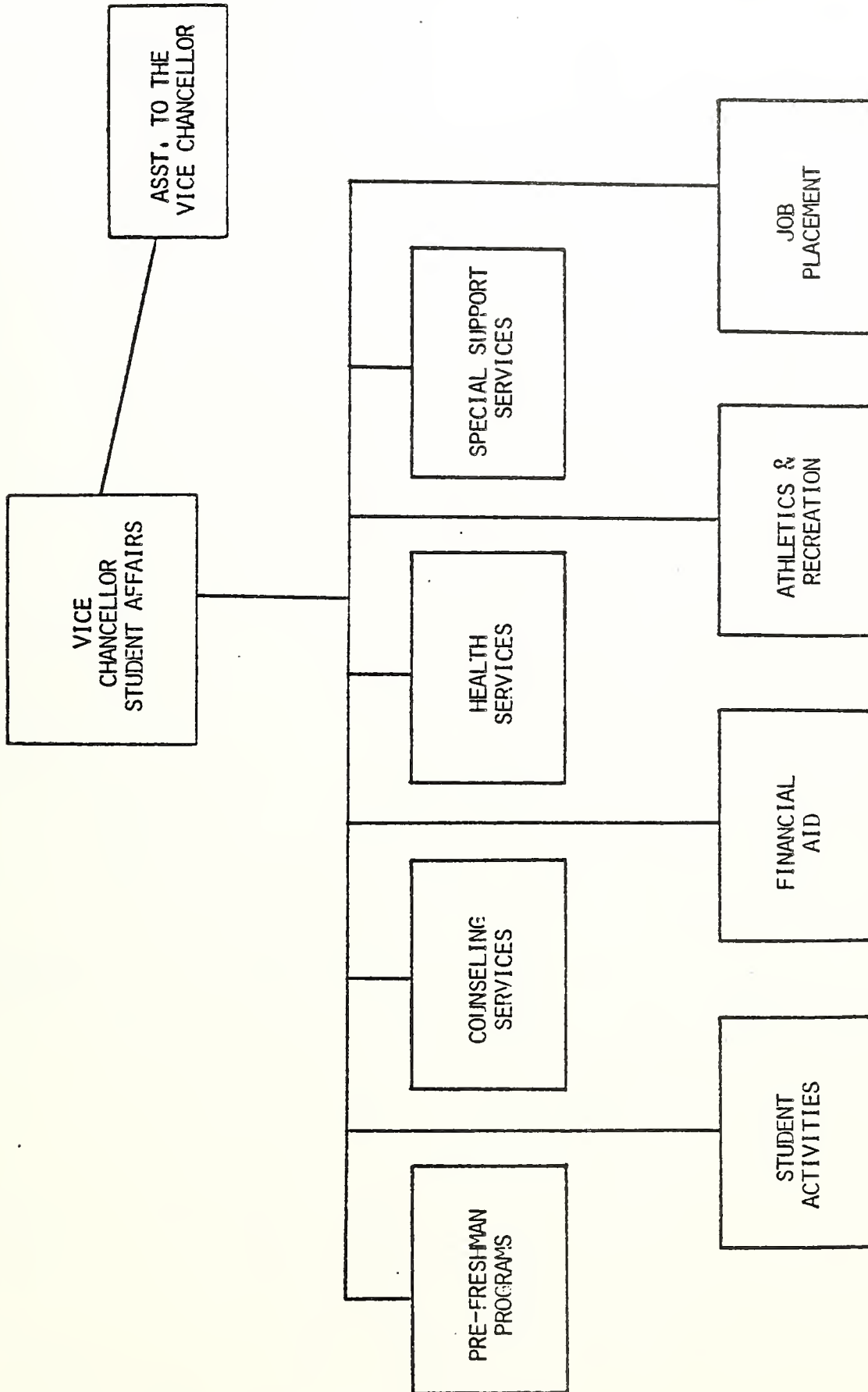
















MAJORS  
SEPTEMBER, 1976

MAJORS  
SEPTEMBER, 1977

Colleges of Liberal Arts

Anthropology	145	129
Art	268	233
Biology	558	552
Black Studies	3	4
Chemistry	103	102
Classics	10	10
Economics	208	195
English	503	481
French	62	68
German	35	23
History	254	253
Italian	33	27
Mathematics	178	168
Music	141	133
Philosophy	80	81
Physics	61	47
Politics	299	282
Psychology	659	584
Russian	18	26
Sociology	542	541
Spanish	96	92
Theatre Arts	117	116
	----	----
Subtotal	4373	4147

College of Public & Community Service

Human Growth/Development	22	25
Legal Services Educ.	15	56
Community Dev/Housing	11	17
General Center	380	376
	----	----
Subtotal	428	474

College of Professional Studies

Management	478	560
	----	----
UM/B Total	5279	5181

Does not include undeclared majors or non-degree students.



Fall, 1976

Fall, 1977

College of Liberal Arts

	Fall, 1976			Fall, 1977		
	Headcount Enrollments	FTE Faculty	Headcount Enrollments Per FTE Faculty	Headcount Enrollments	FTE Faculty	Headcount Enrollments Per FTE Faculty
Anthropology	1047	15.00	69.8	868	15.16	55.6
Art	896	12.00	75.0	918	12.16	75.4
Biology	1057	20.80	50.8	975	22.65	43.0
Black Studies	212	4.00	53.0	210	3.16	66.4
Chemistry	586	16.02	36.5	685	14.83	46.1
Classics	604	6.00	100.6	472	5.50	85.8
Economics	1058	11.38	93.0	1029	14.16	72.6
English	3352	52.22	64.2	2858	59.31	48.1
French	577	14.67	39.3	493	13.76	35.8
German	344	8.00	43.0	259	7.00	37.0
Greek	38*	-	-	N/A	-	-
History	2123	30.77	69.0	1765	31.49	56.0
Humanities	215*	-	-	N/A	-	-
Interdisciplinary	425*	-	-	N/A	-	-
Italian	212	2.33	90.9	209	4.66	44.8
Mathematics	1936	23.24	83.3	1838	25.50	72.0
Music	864	7.00	123.4	435	7.83	55.5
Nantucket	N/A	-	-	N/A	-	-
Philosophy	874	9.00	97.1	884	11.98	73.7
Physics	646	14.00	46.1	830	14.00	59.2
Politics	1133	17.00	66.6	1176	18.00	65.3
Psychology	2175	26.85	81.0	2025	23.55	85.9
Religious Studies	172	2.00	86.0	191	2.00	95.5
Russina	216	5.00	43.2	210	4.00	52.5
Sociology	1824	25.00	72.9	1859	25.80	72.0
Spanish	558	10.00	55.8	509	5.66	89.9
Theatre Arts	354	5.00	70.8	435	5.00	87.0
Women's Studies	127	-	-	134	2.00	67.0
Law & Justice	743*	-	-	799	0.16	4993.7
College of Public & Community Service	1057	32.08	32.9		36.66	
College of Professional Studies	1679	16.60	102.2	1773	21.83	81.2

\*Faculty teaching in these programs are included in their own departments

TJP: 7/26/78



Administrative Affairs: Overview

(A) Budget

Funds provided to the academic units allowed for modest expansion within the College of Public and Community Service and within the College of Professional Studies, without any dislocation in the College of Arts and Sciences. Retrospectively, funds and faculty lines allocated to the College of Arts and Sciences proved to be sufficient to meet the College's need due to an unanticipated drop in FTE enrollment.

Detailed discussion of programmatic and personnel developments is provided under each separate unit. Some of the major developments, within the constraint of the FY 78 budget, were in the following areas:

1. Consolidation of the administrative structure of the College of Arts and Sciences, following the appointment of a new dean and new staff.
2. Planning and development of a concentration in health services administration in the College of Professional Studies.
3. Modest expansion in student enrollment and consolidation of various centers in the College of Public and Community Service (particularly in the area of essential skills and assessment).
4. Consolidation and expansion of staff in the Admissions Office.
5. Expansion and improvement of Academic Support Services in all three Colleges.
6. Planning and development in conjunction with the JFK Library Museum (with implementation expected in FY 1979).

The Office of Academic Affairs continued to implement its internal faculty target commitments during FY 78 and met with good results in arriving at payroll projections free of major errors.

(B) Personnel

1. Major new appointments
  - a. Primo Vannicelli, Senior Associate Provost for Faculty Affairs
  - b. John Schultz, Associate Provost for Extended Education Programs.
  - c. George Goodwin, Associate Provost for Extended Day. (Temporary until the evening program reaches a viable size)
  - d. James Broderick, Associate Dean for Academic Studies (Academic Support Services), College of Arts and Sciences.





- e. Frederick Gamst, Director of Graduate Studies.
- f. Clark Taylor, Acting Dean, CPCS  
(following resignation of Dean Strange effective August 31, 1978).

2. Major personnel recommendations

a. Tenure

Fourteen faculty members were reviewed for tenure this past year. Nine faculty were recommended for tenure by the campus for review by the President and the Board of Trustees.

b. Promotions

This past year the campus reviewed 19 faculty members for promotion (in addition to the 15 promotions linked to tenure recommendations). Of these promotions, 14 were in the College of Arts and Sciences, 2 in CPCS and 3 in CPS. Eight promotions were from Associate Professor to Full Professor. In addition, 26 faculty members have undergone a 4th year review.

College of Arts and Sciences

(A) Administration

Dean Riccards began his duties on July 1, 1977 by assembling his staff. Dr. Joseph Tribble, Associate Professor of English, continued as Associate Dean for Academic Affairs. Dr. James Brennan was recruited for the position of Associate Dean for Policy and Planning and joined the College as an Associate Professor of Psychology as well. Ms. Midori Hayashi and Ms. Judi Roberts continued as staff assistants. Associate Dean Wittes continued as Director of Academic Support Services during the Fall Semester, and was replaced in February by Associate Dean James Broderick, who is assisted by Mr. Gerald Sullivan.

A new constitution for the College was approved and the elections for the CAS Senate were held in October. The Senate embarked on a major review of the curriculum, and eventually approved a new curriculum for the College.

Dean Riccards appointed an Ad Hoc Committee on faculty scholarship, chaired by Professor Fred Gamst.

Associate Deans Tribble and Brennan met in early March with the collegiate committee on faculty scholarship to discuss implementation of their recommendations, including a reduced load program for scholarly activity. In addition, Professor Giustiniani and Associate Dean Brennan are continuing the work on a CAS faculty directory of scholarly achievement to be published before the end of Fall 1978 Semester. Further, the Dean announced a program for reduced teaching load for scholarly work. Candidates interested in applying were informed of the procedures and departmental endorsements needed, and a committee is prepared to review proposals, pending clarification of guidelines with the Chancellor.



As part of the long-range planning procedures, the College participated in an evaluation by an outside team, October 24-26, 1977. The Dean recommended to Vice Chancellor Steamer that a single team of high-level administrators replace the previously-planned separate team for each of the major areas of the College (Humanities, Languages, Natural Sciences and Math, and Social Sciences). The Vice Chancellor accepted the recommendation; the single team that evaluated all the College's programs was comprised of the following persons:

Deither Haenicke	Provost	Wayne State University
Donald Schwartz	Chancellor	Indiana-Purdue
Kenneth Wheeler	Provost	Rutgers-New Brunswick Campus
Harry Ausprich	Dean	Arts and Humanities, SUNY

The report was somewhat disappointing in terms of its limited scope and recommendations. After some discussion, the Dean reconstituted the collegiate long-range planning committee in May. He charged the committee to consider the various sources of pressure impinging on the College and seriously consider all strategies to meet these demands. A report was issued in July, and the Dean and Provost are formulating recommendations for the Chancellor.

The Dean formed a committee on liaison with CPS and CPCS to concentrate on issues of common concern especially in the areas of curriculum, inter-collegiate coordination and liaison, and ongoing programmatic development and evaluation. Copies of the Committee's report were submitted to the Vice Chancellor for Academic Affairs as well as the other two Colleges, and the Dean is awaiting responses from Deans Freeland and Strange.

Beginning with the Fall '78 schedule, the Dean's Office implemented a new procedure for designing course schedules. Departments were required to submit proposed course schedules to Associate Dean Tribble for approval prior to the schedules' acceptance by the Registrar. The added step is intended to provide better adherence to approved University scheduling directives as well as permit the Dean's Office an earlier indication of potential conflicts with existing needs and resources.

A preliminary survey of Extended Day offerings during the present academic year and the impact of Extended Day goals for 1978-79 was prepared by this Office and forwarded to the Vice Chancellor for Academic Affairs as part of the Mid-Year Review. Associate Dean Tribble coordinated efforts with CPS to facilitate cross-enrollments between the Colleges during Extended Day. As of 4/30/78, majors in Psychology and Sociology were in place for the Fall Semester. Majors in English, History, Computer Science, Political Science and Economics have been added to the evening schedule for the fall semester 1978.





Ms. Joan Hobson, coordinator of the CAS Arts Festival, joined the Dean's staff in January. The various Arts Festival committees under the direction of Ms. Hobson planned for the Festival which was held on May 6th and 7th. The success of the festival was confirmed by the positive recognition given to UMB from various community and governmental areas.

The campus open-house on October 2, 1977 was attended by a large crowd. The departments and programs of the College participated with demonstrations and presentations, and contributed to the general success of the program.

### Academic Programs

The Senate concluded debate and passed the new curriculum. The Dean and the Senate Academic Affairs Committee are beginning steps toward speedy implementation, which will be fully achieved by Fall, 1979. The general description of the new curriculum may be summarized as follows:

The new Arts and Sciences Curriculum, which will go into effect in the Fall of 1978, asks students to devote approximately one third of their college work to Core Curriculum courses, one third to courses in a major discipline and one third to elective courses. In addition it asks that students take two courses in English verbal skills (or gain a waiver) and demonstrate competence in writing before the beginning of the junior year by passing the English Writing Test or presenting equivalent evidence.

The Core Curriculum Courses seek to introduce students to liberal learning--the kind of learning that broadens awareness, deepens understanding, poses alternatives, and informs decisions. The College will offer more than a hundred Core Courses that represent essential ways of understanding and evaluating the world and our lives. Students will be required to elect twelve of these Core Courses from the following seven broad areas, and they may count up to three courses in no more than one area, and as many as two in any other area:

- Historical and Cultural Studies
- Philosophical and Humanistic Studies
- Social and Behavioral Sciences
- Natural Sciences
- Arts
- Mathematics and Computer Languages
- Foreign Languages



A subcommittee of the Kennedy Library Committee is working on a two-course proposal involving library resources. A general, upper-level course is proposed in the political, historical and economic aspects of the impact of the Kennedy family in the context of Irish-American politics. A second course will deal with museum pedagogy and will be taught by TCP. During the year prior to the Library opening, the general course will be open to approximately fifty students from within and outside of the university community, of which fifteen-twenty students each semester will enroll in the museum pedagogy course. In response to the stated needs of Mr. Fenn, Director of the Library, we hope to generate by Fall, 1979 a pool of sixty students who may qualify for positions as docents in the Library. Moreover, experience in museum pedagogy within the context of a Presidential Library practicum will provide an excellent educational opportunity for students with related career aspirations.

A task force, consisting of the Latin American Studies Concentration and representatives of the Dean's Office, met to discuss strategy for a Ford Foundation Development Grant. Among the programs receiving priority is a preliminary effort to develop a student/faculty exchange with the University of Puerto Rico, San Juan, now under final review by the Ford Foundation.

The Mathematics Department has implemented a placement test for students wishing to take Math 110. A total of 800 students have taken the examination since November. The Dean's Office and the Computer Center are working with the Mathematics Department in the evaluation of the instrument as well as future modifications of the testing program, which will eventually assess basic mathematical skills in 1,000 students each semester.

The College has been informed that Ms. Mary Anne Carroll, a Chemistry major, has been awarded a Danforth Fellowship. Ms. Carroll plans to use this prestigious award for graduate work at MIT. Ms. Martha Kaplan, a sophomore from Bryn Mawr College, received a summer stipend award from Bristol-Meyers Company for an internship in education management in the Dean's Office, and her work was supervised by Associate Dean Brennan.

The College has received a gift of \$3000.00 to support the Armenian courses it offers. The gifts, from a foundation established by Alex and Marie Manoogian, has been put in a trust fund and will be used for courses in the spring semester.

Associate Dean Brennan has submitted a grant proposal to the NIH program for Biomedical Research Development. Funds from this grant will allow a three-year program of faculty and student research support, equipment purchase, library enhancement and visiting distinguished scientists in the areas of Anthropology, Biobehavioral Studies, Biology (Microbiology), Chemistry (Biochemistry), Physics (Biophysics), Psychology, and Sociology (Medical Sociology).



Professor Susan Schneider and Dr. Loretta Slover have submitted a proposal for a concentration in Portuguese and Brazilian Studies. Essentially, this proposal aims at complementing existing student majors with a background in the Portuguese language and the economic/political/social impact of Portuguese-speaking countries. The Dean is presently reviewing the proposal in light of budgetary constraints.

(C) Student Academic Support Services

The Freshmen Seminar program involving 150 students taught jointly by the Freshman English Program and the support services skill staff began an evaluation phase. A matched control group of standard Freshman English students was compared to the seminar students to evaluate the effectiveness of the seminars in introducing students to college-level work, particularly to college-level writing. The Office of Educational Planning has been gathering data on this program and will issue a report early in the Fall.

The tutorial program, utilizing upper classmen, functioned at a level of 700 man/hrs per week, with heaviest demand for mathematics assistance. Academic Services conducted training sessions for tutors and coordinated the help sessions through classroom contact.

A sampling of other activities includes:

1. Tutorial by 140 Student Tutors: Student Tutors provided individual and small group assistance to students enrolled in: Anthropology, Armenian, Biology, Chemistry, Economics, English, English as a Second Language, French, German, Greek, History, Italian, Latin, Mathematics, Music, Philosophy, Physics, Politics, Portuguese, Psychology, Russian, Sociology, and Spanish. Most tutorial coverage occurs at the introductory and intermediate levels, and most tutorial activities are well integrated into departmental offerings (i.e., most tutors are assigned to specific sections of courses).
2. Social Sciences Skills Adjunct Courses: Ten skills adjuncts were taught in conjunction with the following introductory level social science courses: Anthropology, History, Politics, Psychology, and Sociology.
3. Workshops and Group Tutorials: Seventeen skills workshops were offered by professional staff and student tutoring staff in a variety of disciplines.

Professor James Broderick was named Associate Dean for General Studies and assumed his new duties on February 1, 1978. Supported by the entire Dean's staff, he has implemented several new directions for academic support services. In particular, management of support services will be examined with the goal of better evaluation of the delivery of services to the student body. Further, the Academic Support staff was briefed on data available from College and University resources to assist in planning and delivery of services.





Planning for the Tandem Seminar Program, in conjunction with freshman courses, is well underway for Fall, 1978. Eight seminars are planned in a wide range of disciplines, and the pre and post-testing instruments are designed to assess program effectiveness.

A revised advisory program is in the process of implementation. A senior faculty member in each department will be assigned the coordinating role of overseeing faculty advising of majors, freshmen, and undecided students opting for departmental advising. In addition, an orientation advising program for new students involving "big brothers and big sisters" has been proposed to Student Activities Committee by members of the English and Psychology Clubs.

Academic Support Services was actively involved in the curriculum deliberations in the Senate by specifically helping to design the two credit, essential skills component to be offered by the staff of Academic Support Services. Moreover, Associate Dean Broderick continues to meet with the two sub-committees on curriculum implementation. Special attention is being given to anticipated problems in the identification of core courses offered by various departments. As a result of the recent adoption of the curriculum, Academic Support Services also modified the summer orientation to include large scale meetings of new students in August.

A Spanish-speaking specialist in basic skills has joined the CAS/Academic Support Services staff.

### College of Professional Studies

The growth of the College of Professional Studies since its inception in 1974 has been accompanied by a strengthening of the quality of the Management and General Education Programs and by a commitment to the planning efforts necessary to fulfill the goals of the College envisioned at its birth.

The planning which began in 1973 has brought the College to the point of having graduated its second class of management majors - the first to complete the new expanded General Education requirements. The College at present offers the Management degree in eleven areas of concentration:

- Accounting
- Health Services
- Human Resources Management
- Management Information Systems
- Management Science
- Marketing
- Operations Management
- Private Financial Management
- Public Financial Management
- Public Management
- Public Policy Analysis

A second program in Pre-Engineering will begin in the Fall 1978.



(A) Admissions and the Student Body

During the Fall semester of 1977 the College increased its number of enrolled full-time equivalent Management Majors to approximately 550 - an increase of 22% over the Fall 1976 figure of 450. Actual course enrollments increased even more strikingly from 1700 (Fall 1976) to 2525 in Fall 1977 - an increase of 48%. In January, the College accepted 100 students from an applicant pool of 475.

To date, the College has admitted 252 freshmen for the Fall of 1978, from an applicant pool of approximately 439. One hundred thirty (130) of these accepted freshmen have agreed to attend the College in the Fall. One hundred sixty-seven transfer students have been accepted from an applicant pool of 314, for a total of 419 fall acceptances (freshmen and transfer) from a total pool of 753 applicants. In addition, 71 internal transfer students have been registered for the 1978 semester. Total Fall '78 enrollment for the College will be 700 FTE students.

The College continues to hold as a goal the enrollment of "an academically talented student body which is broadly representative... of groups traditionally underrepresented in the field of management." Toward this end, the College offers the full range of its academic program between the hours of 8 A.M. and 9 P.M. and a representative selection during the summer. The admissions recruitment effort within businesses began this year.

Graduates of the Management Program pursue graduate study as well as careers in their areas of concentration. In 1978, these included enrollments in M.B.A. programs at universities such as Harvard, Suffolk, Northeastern and Tulane and employment with organizations such as Toyota, New England Mutual Life, Coopers & Lybrand, Sperry International, Massachusetts General Hospital, Northwest Airlines, The Massachusetts Division of Employment Security, Prudential Insurance, Boston Gas and Honeywell.

(B) Faculty and Staff Development

The College of Professional Studies employed 17 full-time faculty members in 1977-78 and 20 part-timers in the Fall semester, 17 in the Spring semester. In addition to the primary task of teaching and learning, the faculty participated in significant program development and service activities. The professional development of the faculty is held to be of value to the College, with the faculty holding several colloquia this year on how to best institutionalize its encouragement and considering a proposal for this through governance. The faculty of the College continued to provide distinguished contributions to the Management profession through research, consulting, and community service.

Significant faculty energy was devoted this year to the major recruitment effort undertaken to identify nine candidates for full-time faculty positions in the College. This recruitment program began in July 1977 and is still being completed. Management Director Paul Croke, Dr. John Papagorgiou, Dr. Peter McClure, and Dean Richard Freeland made recruitment visits to the annual conferences of several professional associations. Approximately 40 candidates were selected from a total applicant pool of approximately 200. Applicants represented every geographic area of the country and every perspective of the Management and General Education disciplines.





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As a result of the recruitment program, the College has made its first joint appointments between the Management faculty and General Education faculty. These appointments represent an effort to promote integration between these two program elements: by recruiting diversly talented individuals and specifying integrative activity within the contract.

The College operated on the staff system created in 1976: two program directors, one for the Management Program and one for General Education, two office directors (Student Development and Field Relations) and an Administrative Officer. In addition to responsibilities in their respective areas, the directors and administrative officer served as members of the Dean's administrative team.

(C) The New Concentrations

1. Health Services Administration Inaugurated

The faculty-staff governance body of the College considered and approved the courses and requirements of the Concentration in Health Service Administration. Proposals for the configuration of this concentration were presented by Mr. Robert Terrill, Concentration Coordinator. At present the Health Concentration is, like all concentrations, built upon the Introductory and Core Elements of the Management Program. Additional requirements for this concentration include the declaration of the concentration by the start of the junior year, a focused career plan (consistent with the Management Program requirement) and study in the concentration courses: Organization of the Health System, Legal Issues in Health and Health Systems Planning and Administration. These courses were offered in the Fall and Spring semesters this year. Mr. Terrill has acquired the services of several health practitioners in the Boston area for teaching and consultation. A Health Services Administration Advisory Board has met regularly throughout the year to advise Mr. Terrill and Dean Freeland on program plans. It is intended that this concentration will evolve to serve both the traditional undergraduate population and health practitioners on a part-time (day and evening) basis.

2. Management Science Area Expands

The faculty of the Management Science area, under the leadership of Dr. John Papageorgiou, developed the concentrations in this area to include three separate concentrations: Operations Management, Management Information Systems, and Management Science. The faculty presented nine new courses to governance for its approval. Several of these course were offered in the Spring 1978 semester; the new concentrations enhance the College's Management Program in an area of increasing importance in the discipline. The availability of these courses provides an opportunity not only to concentrators, but to the student body at large to be exposed to a perspective of the discipline which broadens the understanding of the discipline and improves the student's marketability in both the private and public sectors.

3. Development of General Education

Developmental work in the General Education Component continued this year, with particular emphasis being given to the Essential Skills area. Fully fifty percent of the course work and study of a four year student in CPS is devoted to the General Education area which defines the requirements in the areas of Essential Skills, Introductory Courses, Problems of Inquiry, Fields of Study and Personal Education. Much of the course work taken by a student, particularly in the Fields of



Study area, is delivered by the faculty of the College of Arts and Sciences. A special committee of CAS faculty this year examined the relationship between CAS and CPS, and its report urged closer collaboration between the two colleges.

The College supports such collaboration and is aware of the importance of avoiding unnecessary duplication of the programs offered in the College of Arts and Sciences while also achieving the goals of a program which integrates applied and general education.

This year the experimental course in Expression of Critical Thought was implemented for freshmen. The Writing Proficiency Examination, now a requirement for graduation, was administered several times during the year and special workshops were established to assist students in correcting writing deficiencies identified by this examination. Writing modules were also conducted in association with some Core courses. The General Education Component continued to operate essential skills labs connected with the Introductory and Core courses, the goal of which is to help students acquire the skills necessary to successfully complete and maximize learning from the course content.

A major review of the "Freshman Program" was undertaken, with input provided by all members of the College community who have a responsibility in this area. The report was circulated among the faculty and staff; this sparked a collegiate discussion of the goals of the Introductory Program which resulted in some suggested changes.

(E) Integrating Field Experience and the Classroom: the Internship

The Internship, a requirement of the Management Program, became fully implemented in the 1977-78 Academic Year. Over 125 students fulfilled this requirement in over 75 business, industry and public agencies. Under the direction of the Office of Field Relations, students are introduced to the requirement through a handbook, the Internship Experience and are guided in developing a resume for use in applying for internships. The office provides a pool of placements, and students are encouraged to develop their own placements as well. A learning contract is developed between the student and the agency; each student is assigned a faculty sponsor; and a field supervisor to provide for a truly integrated experience.

(F) Pre-Engineering Program

In collaboration with the School of Engineering at UMass/Amherst, CPS is starting a two-year experimental program to prepare students for the engineering degree at UMass/Amherst. Eight students will be admitted to the Engineering Program of the College of Professional Studies in September, 1978 and will complete a prescribed course of study on this Campus. An additional 10 students from CAS and CPS will also be participating in this program. These students will then be guaranteed admission to the School of Engineering at Amherst.

This program offers an opportunity for members of the population served by UMass/Boston to begin a baccalaureate program in Engineering without the immediate commitment of the resources necessary to attend school on the Amherst Campus.



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CPS is also exploring other program possibilities as part of this collaborative effort: (1) an undergraduate Concentration in Technology Management within CPS, (2) a joint CPS/SOE graduate program in Management of Technology, (3) an undergraduate major on the Boston Campus in Industrial Engineering or some other engineering related fields as may be feasible and (4) other possible means of incorporating greater attention to technology in the CPS curriculum. An advisory board comprised of members of the Boston Chemistry, Physics and Math Departments has been established.

(G) Academic Support Services

The Office of Student Development continued to be responsible for the support services to the academic program in 1977-78. The relationship between the student and his/her academic advisor continues to be the cornerstone of the support structure. This system is supported by the staff of the Office of Student Development in both administrative and substantive ways. The peer advising system for freshmen adds support to both the academic and social experience of the freshman year. Student tutors and course assistants are available to the student body in general; this system provides a forum for student-to-student learning. The Office also conducted Information Sessions for students who have been accepted to the College to learn about the Program and the Campus. The Orientation for freshman and transfers conducted by the Office of Student Development is an important advising tool for new students. The College continues to use the academic planning documents and interest testing program developed in 1976-77, as well as aptitude testing in the quantitative area as part of the Orientation process.

(H) Relations with Industry and Government

Since its inception, the College of Professional Studies has been committed to establishing close working arrangements with public and private institutions in the surrounding community and to creating on-going contacts between academics and practitioners in planning and evaluating the College's programs.

In 1977-78, the College undertook the following activities to fulfill this commitment:

- The Admissions Recruitment in Business Program acquainted the Boston business community with opportunities for its employees at UM/B.
- The Health Service Administration Advisory Board involved health practitioners in the actual planning of an academic program.
- The Internship Program brought practitioners to the campus and College personnel and students to the practitioner's community.
- The College hosted meetings of the Personnel Managers Club of the Greater Boston Chamber of Commerce, resulting in an on-going relationship with this body and a \$200 donation from it to the College.





- Practitioners from Boston hospitals, New England Telephone and Massachusetts State Government, for example, came to the classroom to provide instruction to CPS students.
- Several executives from the technology management business community met with Dean Freeland to plan the Engineering Program.
- The College Career Day brought business executives to the campus to counsel students on career choices.
- The Women in Management seminars, developed by three students as an independent study, brought two panels of women managers to campus to discuss issues of career development for women.
- The College hosted a conference on collective bargaining for personnel professionals working in the Massachusetts Court System, at which a paper was presented by a member of the CPS faculty.
- The College hosted a two-day conference of the Massachusetts Accountants for the Public Interest.
- The College is also investigating the feasibility of establishing practitioner advisory boards for each concentration in the Management Program.

(I) Future Plans

The College of Professional Studies remains committed to operating in a long-range planning mode. In addition to participating in the campus process of long-range planning, the faculty and staff of the College have engaged in internal planning efforts. Many of these involve the development of current programs and the addition of elements which will enhance the current effort.

Two areas in which the College has already committed new planning efforts are technology management and communications. The technology management exploration will, as noted, take place within the context of the Engineering Program. The exploration of the area of communications is presently being initiated in cooperation with Media Services.



## College of Public and Community Service

The 1977-78 academic year was CPCS's fifth year of operation. Major highlights of the year included the graduating of the largest number of students of any year to date; the beginning of a major effort to revise the General Center (liberal arts) Curriculum; the development of a significant first-phase human service training program with Title XX funding; and the announced resignation (effective August 31) of Dean John Strange and Associate Dean for Administration, Loretta Cedrone. Increasing maturity of the College's program was evident in the selection of new faculty which was done in most centers with an eye to achieving long-range goals and objectives.

### (A) Administration

#### 1. Budget Process

Due largely to the efforts of the Chancellor's Office, major progress was made in developing an orderly budget process. This one improvement greatly enhanced the ability of the Dean's Office to plan for the future and monitor on-going activity within the College.

#### 2. Administrative Record Keeping and Data Analysis

On-going efforts by the College to improve record keeping and data analysis continue to be hampered by University system-wide data procedures. Records regarding competency registration and competency completion must be hand tallied. Semester status reports to students on competency registration, progress reports and competency completion have been promised but not forthcoming. Transcripts, which should be updated on a routine basis by computer, must be hand-developed from individual student files. Transcript reproduction for graduates seeking employment and admission to graduate school is very inadequate. These problems have been addressed on a continuing basis by CPCS administrators over the past several years without satisfactory resolution.

#### 3. Grant Development

Grants developed in the 1976-1977 year bore fruit in four significant programs: a Community Economics Learning Center (Title I and the Office of Education); a course in Technology and Culture (NEH), a cooperative program with the Boston Teen Center Alliance, and research on the reaction of normal children to handicapped children in the schools (NEH). One new grant has been approved for the 1978-79 year which provides for the expansion of the research on handicapped children. This project, directed by Professor Gary Siperstein, will seek to develop ways of improving the image of handicapped children in the eyes of normal children. Grants pending approval include one which would provide for a major expansion of the Community Economics Learning Center. The other, jointly sponsored by CAEL, the American Association of Colleges, the College Board and CPCS, would seek to develop techniques for the evaluation of learning achieved by participants in non-traditional learning experiences.





#### 4. Space Refurbishing and Usage

With the move of the President's Office to 100 Arlington Street, CPCS shifted into temporary quarters on the 2nd, 3rd, 4th, 6th, and 11th floors. Phase I refurbishing has resulted in fine new offices for faculty on the 7th and 8th floors. The College now eagerly awaits Phases II and III in the rehabilitation process which will bring new offices for the administrative staff, refinishing of classroom space and major improvements in the basement. The latter is a top priority for the College in that there is at present no appropriation auditorium space in the entire building.

#### 5. Leadership Transition

In the spring both John Strange, Dean, and Loretta Cedrone, Associate Dean for Administration, submitted their resignation, effective August 31, 1978. These actions were consistent with long-standing decisions to leave the College after the first five years of its operation. A search committee, which included representatives from CPS and the Central University of Massachusetts/Boston Administration along with CPCS faculty and students, undertook a nation-wide search for a successor to Dean Strange. When it became apparent that the process would extend into the fall semester, the Committee recommended that an Acting Dean be appointed until the permanent position would be filled. In mid-July, CPCS Professor Clark Taylor was appointed to fill the Acting Dean position.

### (B) Program Developments

#### 1. Faculty

- a. Professor Carter Jefferson, former Professor of History in College I and chairperson of the committee that recommended the creation of CPCS, began work as Center Head (Chairperson) of the General Center in Fall, 1977. This was the major personnel appointment for the year.
- b. During the spring a combination of resignations, non-reappointments, new positions and leaves-without-pay led to the employment of eight full-time and three half-time faculty. This figure, the largest in the six-year life of the College, serves to emphasize the remarkable stability the College has enjoyed in its early developmental period. CPCS was fortunate through its recruitment efforts in getting new faculty with excellent experience and credentials. All but one of the individuals hired were minority and/or women.

#### 2. Admissions

- a. Once again CPCS demonstrated its ability to get and hold adults, minorities, and low-income individuals for its student population. The following profile of the 1977-78 student body represents the results of a survey of students taken when they pre-registered for courses. The figures indicate that the College is reaching and serving the types of students it seeks.



- b. The profile of students entering CPCS during 1977-78 indicated that approximately 30% of the students were minorities, approximately 73% were over 25 (43% over 30), approximately 71% were female, and approximately 65% had incomes under \$8,000. The averages for the whole student population are now 32% minorities, average age of 32, approximately 65% women, and an average income of \$6,985 (for an adult student population of whom over 60% are married or single heads of households).
- c. Early in the spring a problem developed in the application picture for 1978-79. Numbers of applications were down and the developing profile indicated that the College would probably not reach its age and ethnic admissions targets. A CPCS Admissions Committee identified the twin problems of: 1) lack of adequate presentations at admissions seminars and 2) a lack of effective recruiting in other than high schools and community colleges. The CPCS Admissions Committee, in consultation with the UMB Admissions Office, launched its own recruitment effort. It agreed, further, to review and recommend regarding all Colleges applicants in return for the development of a College-specific recruitment plan by the Admissions Office. The College is still awaiting that plan, which is now promised for mid-August.

## 2. Assessment

- a. Major changes were planned and implemented under the leadership of Assessment Director Loretta Cedrone. A new student manual was created which provides access to the entire College curriculum and academic policies under one cover. The use of student advisors was expanded and their role clarified to make them a critical part of the process to help students to identify prior learning and to integrate successfully into the College. The entry level curriculum was further developed in all Centers, forming a firm bridge between Assessment and the rest of the curriculum.
- b. Many inquiries regarding the Assessment Program have come from colleges and universities and educational leaders around the country. Perspective gained from these inquiries and related dialogue resulted in important changes to the program within the College. Assessment has been moved out of administration into the General Center in order to reinforce the intrinsic educational values of self-assessment. A new Director of Assessment, Ann Withorn, was appointed with faculty status in the General Center.

## 3. Academic Policies Established

The CPCS Certificate Council recommended, and the Policy Board approved, one important policy change: the approval of instructional programs which both protects faculty from overload and provides for clearly defined course equivalencies in the areas of directed study and field education. A second



recommendation of the Certificate Council would clarify the status of certificate students -- individuals desiring only the CPCS career major. This policy has important potential for limited-term educational programs with agencies and community groups and will go to the Policy Board in the Fall. A third provides a verification procedure which allows students to make use of prior academic learning in the Independent Interest Certificate.

#### 4. Curriculum Development

- a. Under the leadership of Professor Carter Jefferson the General Center undertook the first phase of a major revision of the Center's curriculum. General agreement was reached on a curriculum model that integrates cognitive development and liberal arts content areas. This work was supported by faculty released time equivalent to one position for the Spring '78 Semester. Problems remain in the area of relationship of the General Center programs to the rest of the curriculum. Plans call for completion of revisions in the Fall Semester in time for inclusion in course booklets leading to implementation for the Fall 1979 Semester.
- b. In the Essential Skills Center, important work was begun on the evaluation of diagnostic and competency evaluation instruments. The Center also laid groundwork for curricular revisions to be undertaken in the 1978-79 academic year.
- c. During the past year specific revisions of several Law Certificate competencies were approved in the fall. Entry competencies were revised in the Human Growth and Development Certificate in the Spring.
- d. Plans are underway in each of the career centers for significant revision efforts which will take place over the next year. Community Change and Housing, for example, plans to combine its two career certificates into one Community Planning Certificate.
- e. College-wide curriculum developments included the following:
  - 1) Implementation of a full-scale entry instructional program with clear links between the Assessment and Center instructional programs.
  - 2) Development of unique curriculum programs based on College-agency agreements (see field education section).
  - 3) Collaboration with UMB Media Center in development of academic programming through a summer school Institute on Media and Social Service Agencies.





- f. CPCS is currently exploring new academic program areas including: 1) media in public and community service, 2) adult and community education, 3) transportation, 4) environmental planning, 5) community health services, and 6) vocational and occupational services.
- g. Cooperation between CPCS and the other colleges is increasing in curricular areas. One joint effort is that between the CPCS Law Center and the CAS Law and Justice Program which includes joint course crediting and the sharing of faculty resources. CPCS faculty have team-taught courses with CAS faculty members in the Sociology and History Departments. Several CPCS students have gained access to the CAS Teacher Certification Program. A joint CPCS-CAS committee chaired by Professor Francis Broderick of the History Department has explored additional possibilities for curricular cooperation.
- h. Relations between the two newer colleges have likewise included both faculty cooperation and flexible opportunities for students. CPCS faculty have worked with CPS faculty members in developing a critical thinking program at CPS and in teaching a Women in Management Careers course at CPS. Limited access has been provided for CPCS students to take management courses at CPS, and CPCS courses are similarly available to CPS students. CPCS is committed to further curricular cooperation with the other two colleges.

## 5. Field Education

- a. Through its Field Education Program, CPCS continued to expand its relationships with community agencies and organizations. One additional collaborative program was planned in the fall and implemented in January 1978 with the Boston Teen Center Alliance (TCA). This new program enrolled 25 employee/students from TCA's member agencies.
- b. Three on-going programs - with Boston State Hospital, the Boston Environmental Health Improvement Program and the Housing Improvement Program - recruited 35 new students, bringing the total enrolled through College-agency agreements to 60 students.
- c. New programs scheduled to begin in the Fall 1978 Semester include agreements with the Solomon Carter Fuller Mental Health Center (Department of Mental Health, Region VI) and a pilot program with South Boston High School, supported by partial funding from a grant provided by the Boston School Committee. This intentional community focus and emphasis provides the following benefits to the College:
  - a recruitment source for students;
  - additional resources in terms of the expertise of agency personnel becoming available to students;



- new curriculum jointly developed by faculty and agency staff;
- funding support for new and expanded programs.

Advantages for the agencies involved include the following:

- exposure to the concept and technology of competency-based education;
- an opportunity to incorporate work-related education in efforts to improve service delivery;
- a means of strengthening in-service educational and training capacities.

More and more the College is working with the "parent" organization of these agencies, which are lending central support to the programs. These central agencies include the Commonwealth Executive Office of Human Services, the Boston Health and Hospitals Corporation and the Boston Office of Housing.

#### 6. Graduates from CPCS

- a. The number of students graduating from CPCS has increased significantly, almost doubling the total from the previous year. In 1977-78, 94 students graduated, compared with 53 in 1976-77. This number is approximately 16% of the entire student body and indicates significant progress toward a healthy ratio between students admitted to CPCS and students completing the program.
- b. As was the case in 1976-77, a high percentage of CPCS graduates are employed upon graduation in jobs directly related to public and community service careers. In addition, there is an increasing interest in graduate education on the part of CPCS students and a high rate of acceptance into schools of social work, schools of education, law schools, etc. Follow-up studies on '77-'78 graduates scheduled to be conducted by the Academic Affairs Office and Career Development Office will provide detailed information in this area during the Fall '78 Semester.

#### 7. Title XX

- a. College faculty and staff played a major role in defining and implementing the Title XX project of the University. Its overall purpose was to provide needed training to providers of services to low-income citizens. The major mechanism was to be the development of a competency-based core curriculum of generic social service skills.
- b. CPCS staff served on the Executive Office Task Force for Training and Retraining which identified the need for competency-based human





service training. Other College staff members worked closely with the UMass President's Office in helping its negotiators understand the program's opportunities and constraints during the long complicated negotiations. Although obstacles of a complex fiscal and administrative nature prevented a second year's contract, CPCS benefited greatly from its participation in the project. Products included innovative curriculum development and a limited number of training courses for agency personnel.

c. Major benefits for the College included:

- 1) expanded contacts with key administrators and workers within both State agencies and private sector human service agencies;
- 2) increased understanding of both the possibilities and constraints of university-based human service training;
- 3) development of contacts between CPCS and the Human Service Program of the School of Education at UMass/Amherst; and
- 4) expanded knowledge regarding the importance of the CPCS competency-based curriculum to the client delivery service worker.

(C) Student Support Services

1. Disabled Student Services - Academic year 1977-78 saw the continuation of this service under the direction of CPCS student coordinator, Jennifer Merritt. Expanded programs included a series of Speaking-Out Workshops which focused on disabled students' needs. The Sign Language Class expanded to two sections and was given both semesters. Most notably the Center along with a faculty member responded to Federal Handicapped Regulations, Chapter 504 Self-Evaluation. A survey of structural needs as well as classroom instructional equipment was undertaken. The names of disabled students and their disabilities along with an updated list of student's medications are on file with our health service staff.
2. Information Center - The need for the CPCS Info Center has increased, as has its valuable service. The staff, under its Director, CPCS student Stephen Carr, expanded to include 3 part-time students working an average of 60 hours per week plus 4 volunteer students. The CPCS weekly Info Sheet continued throughout the academic year and expanded to 2 sheets and 54 editions. A training manual was developed by the staff for the future training of personnel. Through the efforts of Jonathan Ramage, Assistant Director of Infor, "Footprints of Our Minds" a booklet of short stories and poetry was developed from the talents of CPCS students and faculty. With the move of administration and support services to the 4th floor, the Info Center served as the major clearing house for students, faculty and the general public.
3. Child/Youth Care Center - The issue of child care and its relevance to CPCS students in regard to University commitment still faces a bleak



forecast. The problem of renovation for licensing has still to be resolved. Child care is highly specialized and work/study students do not possess the expertise necessary. SAC money and 03 funds were made available to the Center to hire a teacher/coordinator, Anne Todd. A sliding scale fee system was instituted to augment the meager funds for supplies and equipment. This fall, plans are to provide infant and toddler care for children 18 months - 3 years. This again will need a professional who should be certified in the area of infant care.

4. CPCS Financial Aid Counseling - As a continuing full-time service to CPCS students, it was staffed in 1977-78 by 2 work/study students: Bob Silva, a CPCS student and Robin Tattista, a CPCS student. The primary responsibility of this office is to serve the students concerning the issuance of financial aid information in coordination with counseling students on personal financial aid matters in relation to their college education. This office also served as a clearing house for work/study forms and 03 time sheets. In conjunction with the Harbor Campus Financial Aid Office, 9 workshops were given during February and March when new forms were being issued for the 1978-79 academic year. During the early months of second semester, over 450 students had contact with the CPCS Financial Aid Office.
5. Career Planning and Development - Marcie Crowley has continued to develop and expand career planning for CPCS students. Over 95% of both January and June 1978 graduates were clients of the Center. Major aspects of this service include:

Career Planning Workshops

Career directions for Assessment students

"Next Step" groups for anticipating graduates

Graduate School Information Resources

Job hunting research and techniques

Professional outreach for students through participation with Northeastern University Counselrama; Mass. League of Cities and Towns; Governor's Commission on the Status of Women; Women and Work Taskforce; Division of Personnel Administration of the Commonwealth; MIT Graduate Program in Urban Studies

Lunch-time career seminars were conducted in areas of Criminal Justice careers, with guests from criminal justice agencies: Boston Juvenile Court, Region VI, Division of Female Offenders, Women's Jail Project, Chelsea Court Resource Program, Division of Youth Services, DARE, Inc.

Permanent funding for this professional service must be provided by the University.



6. Counseling Center - Lynn Shapiro, who initiated the Counseling Center at CPCS in 1975, has continued as its only professional staff member, to develop and implement this much-used service. Student demand continues to be high; as in previous years, the Director anticipates help with the enormous over-load of cases from a graduate student intern.
  - a. The operations of the Counseling Center have continued to focus primarily on direct service to students, in the form of individual counseling, groups, and workshops. Over 200 students (roughly 1/3 of the student body) made use of the Center's services, primarily receiving individual counseling. Groups and workshops have focused on themes of particular interest to our unique student population, often combining personal and career interests. Examples of these themes are: exploring attitudes toward physical disability, pre-graduation group (with Marcie Crowley, Career Development), personal growth, parents as the sex educators of their children, time management, women's issues, multi-ethnic support groups.
  - b. The Center has continually served as a referral resource, providing consultation to faculty and staff and has sought to keep open levels of communication with all areas of the College. With Pat Jerabek of the General Center, the Director designed and implemented a team approach to responding to students whose problems are identifiable in a number of settings in the College. The Director is an adjunct member of the Human Growth and Development Center, has served on a variety of College committees, including, especially, the Student Advocacy Center's Advisory Committee, and was recently elected to the General Center's Assessment Advisory Committee. The Center has continued to provide training for student advisors to the Assessment program.
  - c. The Center has maintained a close working relationship with providers of support services at the Harbor Campus; the Director attending regular meetings of the Health Services' mental health staff.
7. Cultural Activities - The well-received and enthusiastic participation of students in continuing cultural events at CPCS led to four successful program events, funded by SAC. "Music in Our Lives", Multi-Cultural Fair, CPCS and the World, through dance and mime, CPCS Mural. These events involved the use of the CPCS Audio-Visual Department as well as professional artists from the urban community. The CPCS Community Art Gallery with approved funding from SAC was able to expand gallery use to include six professional shows using artists from multi-ethnic backgrounds in the fields of painting, photography, crafts, pottery and sculpture as well as a show for faculty, students and staff of CPCS. Funding for continued cultural events for 1978-79 has been granted to CPCS students through the SAC.

#### D. Public Service Developments

As CPCS continues to mature, it will increasingly fulfill the public service role appropriate to a college in a public urban university. Much public





service is provided through the professional activity of individual faculty. Accounts of faculty stewardship in this regard are included in an appendix to this document. In addition, center and college developments during the year give evidence that the college has a more significant institutional involvement than ever before. Mention or discussion of some of the activities included here will have occurred in other sections of this report. A summary listing of the already-noted, along with other activities, is given here to indicate something of the range and depth of CPCS in its public service role.

## 1. College Activities

- a. The Community Economic Learning Center, directed by Professor Sandra Kanter, provides economic education to community groups which can both sponsor stipended fellows to the Center and provide opportunity for individuals to take courses offered by the Center.
- b. Education for Transitional Aides of South Boston High School, a new program developed in conjunction with UMB's Institute for Learning and Teaching. Seventeen aides will begin a program this fall that will be offered primarily at the High School. Although CPCS will be directing the project, the Institute for Learning and Teaching, UMass/Boston is providing technical assistance to the program.
- c. The Title XX program involved curriculum development and training for direct-service human service workers.
- d. The CPCS Community Arts Center provides opportunity for community-based artists and art groups to display their works.
- e. The UMB-CPCS Media Project offered training to community people through its Media in Social Services Agencies courses in the Summer Institute.

## 2. Center Activities

- a. The Community Advocates Law Office offers direct service to low income clients on cases referred by a variety of agencies.
- b. The Law Center provides short-term training to a range of groups, including lawyers and paralegals on topics such as bankruptcy, truth-in-lending, repossession and general poverty law.
- c. Materials development for law-related agencies is another service of the Law Center.
- d. The Community Change and Housing Center's (CCH) joint program with the Boston Environmental Health Improvement Program sponsored a program in communications skills for both enrolled employee/students and others, including supervisory personnel. The course was taught by Professor Carter Jefferson of CPCS.



- e. CCH sponsored a series of 12 public forums on housing issues, which brought together some of the leading housing experts and community people involved in housing issues.
- f. The Human Growth and Development Center (HG&D) offered a series of forums on contemporary issues in human service delivery which was publicized in both the university and appropriate agencies.
- g. The Applied Language and Math Center (ALM) sponsored a series on adult development to which they invited people involved in the adult learning community in the Boston area.
- h. CCH offered a workshop in the techniques of program evaluation to individuals involved in community-based public service agencies.
- i. The Law Center in conjunction with Marcie Crowley, Director of Career Development, holds career development workshops for people interested in legal careers.
- j. The instructional activities at field sites planned for students enrolled in the college/agency agreements are open to community and agency personnel.

#### E. Conclusion

Clearly CPCS is approaching maturity in a number of important ways. In planning for the recruitment of new faculty, for instance, Centers were able to act out of an increasing certainty of purpose based on long-range planning. At the same time the College has not lost its energy for creative innovation. Center plans for extensive curricular revision provide evidence of a commitment to refine and improve offerings for students. As it approaches the selection of a new dean, CPCS can offer both a significant challenge and an exciting opportunity.





## Graduate Studies

During the 1977-78 academic year the Office of Graduate Studies has been committed to the maintenance of normal business operations, the supervision of graduate programs in five areas, program development, coordination with other University committees and related activities which sustain and advance graduate education at UMass/Boston.

During this past academic year the Graduate Flyers and the Graduate Bulletin were revised, restructured and newly published so that the quality of our graduate offerings might be more accurately and widely reflected in our community.

The supervision of graduate programs in Biology, Chemistry, English, History, and Mathematics involves a process of careful coordination so that uniform procedures are followed, so that student files are kept up to date, so that graduate education at UMass/Boston will be more than a collection of discrete departmental offerings. While all graduate offerings were recommended for continuation after the 1976-77 review, several specific recommendations for internal revision were made, particularly for the History and English Programs. Thus program supervision also requires monitoring such changes as the restructuring of the English M.A. and the inclusion of an Archival Studies dimension of the History M.A.; such revisions were completed and approved by the spring of 1978.

Program development has been tentative, given the uncertain sense of the Board of Trustees's views on the development of graduate education at UMass/Boston. After the recent limited endorsement of gradual growth of graduate studies on this Campus, several faculty groups made plans to develop graduate proposals, particularly programs centering upon our unique resources: the Kennedy Library and the Massachusetts Archives. However, even before the recent endorsement by the B.O.T., two new programs were developed. Proposals for a M.S. in Applied Physics and a M.A. in Critical and Creative Thinking have been approved by the Graduate Council and the University Assembly. In addition considerable progress toward the development of another program was made by the Area Committee on Public Policy and Organizational Management. Further, through the suggestion of the Dean of CAS, inquiries were made into the development of a five-year B.A./M.A. combined degree program. Finally, the Director was involved in several stages of the development of a statement to the B.O.T. outlining the Campus's plans for the implementation of a new graduate program.

Currently plans are being developed with the Institute of Learning and Teaching to publish a brochure to advertise graduate programs with area secondary school teachers. In addition, during the academic year, four Distinguished Lectures were held.



## Institute for Learning and Teaching

The Institute for Learning and Teaching has a dual mission: to provide assistance to the University and to school systems of metropolitan Boston in the development and implementation of innovative educational projects.

### (A) School Projects

#### 1. District VI Partnership

In May, 1975, under a federal court order desegregating the Boston Public Schools, UMass/Boston was paired with Community District VI (South Boston, Columbia Point, parts of Dorchester). The ILT was selected as the University's representative in implementing the Partnership.

In its work with eighteen elementary and middle schools of District VI, the ILT fulfills the desegregation order by encouraging improvement of cross-cultural understanding and the participation of teachers and parents in the educational decision-making process. A \$104,000 budget provided under Chapter 636 of the General Laws, an amendment to the Racial Imbalance Act of 1965, supports several programs:

- a. A Multicultural Program attempts to heighten students' awareness of the richness of ethnic differences in American society.
- b. A District VI Resource Center provides a wide range of services to district teachers, administrators, and parents, including a library of educational equipment and materials, curriculum and staff development workshops, a district newsletter, and proposal writing assistance.
- c. A Tutorial Program offers direct services to District VI children through two approaches. Twenty-five district parents have been trained to offer individual basic skills tutoring to children identified by classroom teachers. Teams of UMass/Boston students are employed to develop units in music, art, and science which are presented, under ILT supervision, in District VI classrooms.
- d. The Diagnostic Resource Program focuses on providing for the individual needs of middle school students. Teachers refer students with learning difficulties to specialists who perform diagnostic testing, assist in planning individual programs of study, and assign aides who provide remedial instruction.



2. South Boston High School

The Institute, which has a particular interest in improving secondary education of the metropolitan area, has developed the following two programs with South Boston High School:

- a. A Collaborative effort with UMass/Boston Day Care Center allows teachers and administrators from both institutions to participate in a training program in human development, Education Development Center's "Exploring Childhood." The high school faculty teach the "Exploring Childhood" program to seniors who fulfill a weekly field site requirement at the Day Care Center.
- b. Under the Youth Entitlement Service (YES) the University creates job placements, and the city pays school youth (through a federal grant) enrolled in certified high school programs to work 20 hours per week during school term and 35 hours per week during the summer.

3. Webster School Magnet, Cambridge

The Cambridge Public Schools are in the process of designing a voluntary desegregation plan. The Institute is assisting in that effort through implementation of a \$25,000 planning grant from Chapter 636. A staff member is working closely with parents, administrators and teachers of the Webster School to redesign the language arts program around the latest research in linguistics and developments in multicultural education.

4. JFK Library/Dorchester Schools Curriculum Project

An ILT staff member has been working with four Dorchester elementary and middle schools to utilize JFK Library resources in the development of curriculum packets on governmental studies. A dozen of these curriculum packets are currently available to all District VI teachers through the Resource Center.

In cooperation with the UMass/Boston Kennedy Library Committee, the ILT has received \$14,500 from the Mabel Riley Foundation and \$6,000 from NEH to implement a Summer Institute in Citizenship Education. Faculty from the UMass/Boston Political Science Department and elected state officials assist teachers who have been participating during the school year in rewriting their curriculum materials.

(B) University Projects

1. Field Experience for Philosophy of Education and Theatre Arts

The ILT has developed a collaborative effort involving the Philosophy Department and the Teacher Certification Program (TCP) in the District VI Tutorial Program described above.





A group of students enrolled in Philosophy of Education applied for an independent study option which involved participation as tutors, the writing of a related paper, and a special in-class presentation. The ILT Tutor Coordinator provided training, placement and supervision for the field component. The philosophy professor made regular field site visits. Together they enriched the course by creating a mechanism for relating philosophical theories to a local educational setting. TCP has agreed to recognize successful completion of the tutorial experience as evidence of interest in teaching that will help students gain acceptance to the program. Finally, when making practice teaching assignments for 1978-79, TCP will have a selection of pre-tested District VI sites in which to place students interested in urban education.

Students from selected Theatre Arts courses have had field assignments in District VI which have allowed them to practice theatre teaching techniques learned in UMass/Boston courses in actual classroom settings.

## 2. Exchange Program with University of Puerto Rico

The Latin Studies Concentration has received Institute assistance in the writing of a \$25,000 Ford Foundation planning grant. The monies would allow Latin Studies to communicate with local Hispanic agencies as well as those in San Juan to determine the usefulness of a three-week exchange program for UMass/Boston and University of Puerto Rico students interested in urban social service careers.

## 3. Another Course to College

In 1974, the ILT participated in the writing of the proposal for Another Course to College (ACC), a UMass/Boston-Boston Public Schools program which prepares low income students for higher education. Since then the Institute has continued to monitor the program for the University.

Each year, two hundred capable, highly motivated juniors and seniors who would not have considered continuing their education if they had remained in their regularly assigned schools have enrolled in an extensive college preparatory course of study. Seventy-two percent of ACC's first graduating class is presently enrolled in institutions of higher learning; over thirty percent matriculated at UMass/Boston last fall. Another thirty students are expected to enroll as freshmen at UMass/Boston this fall.

## 4. Flexible Campus

This program is a particularly exciting one because it attracts academically talented students to UMB.



An ILT staff member presently dedicates one-third of her time to providing placement and counselling services to outstanding high school students from the Greater Boston area who wish to enroll, without charge, in introductory level courses. Credits earned may, after matriculation, be applied to a UMass/Boston degree.

This year about 75 students have participated successfully in the program.

5. South Boston High School Aides/CPCS

The Director of Staff Development at South Boston High School requested the ILT's assistance in planning professional improvement for the high school's thirty aides. A series of meetings with this group of clerical, lunchroom, instructional and security aides--all Boston residents--revealed certain common needs. Since the majority are interested in a degree program directly related to career development, the ILT invited CPCS to prepare a special program. The College is in the process of working out the details with the Institute and representatives from the high school.

6. Faculty Seminars to Implement a New Curriculum

The ILT worked closely with the Director of the Academic Studies Office to prepare a three-year, \$300,000 proposal to the Fund for Improvement of Postsecondary Education. Although this attempt to gain outside support to prepare teachers of introductory courses to fulfill the goals of the Core Curriculum was not successful, it was only the beginning. The proposal was scaled down and revised, and the Ford Foundation has expressed interest in funding it.





## Office of Admissions

This past year was a transitional period for the Office of Admissions. It had two missions to accomplish during the year. First, it completely reorganized the office so that it runs efficiently but still maintains a humanistic approach in dealing with students. This reorganization was necessary to give the office the guidance and structure it needs to assist the University in reaching its enrollment objectives.

The second mission was to keep the office operational during this reorganization.

### A. Office of Procedures and Policies

During the entire year, the Admissions Office identified areas that needed reorganization and systematically created better procedures for accomplishing tasks. An Office Manual was developed so that all personnel were aware of the office procedures. Since the procedures were continuously being updated the Manual was rough at best. However, since a manual had not previously existed, even the rough version was a great improvement. A more complete version will be ready by September 1978.

### B. Articulation Activities

Though no major alterations were made in recruitment procedures for high schools, the office did increase the number of schools visited (approximately 200), and participated in 28 college fairs.

The area in which the greatest impact was made was that of the community colleges. For the first time, the office had a formal visitation program in which all 15 public community colleges and 12 private junior colleges were visited. Many were visited on a monthly basis during both the day and evening.

In addition to the visitation program, the Office of Admissions conducted several articulation meetings between UMB Faculty and their counterparts on the community college campuses. These were extremely successful and have resulted in some policy changes that will encourage more community college students to attend UMB. The success of these articulation meetings has encouraged expansion of these meetings during the next year.

### C. "On Line" Admissions System

This past year saw the office go from an antiquated Admissions system for processing applications to a new "On Line" computerized system that allows for instantaneous processing. This new system allows better control over the entire processing procedures, as well as providing students with better service.

It will also allow more data to be recorded on our students, so that better evaluation of our programs is possible.



D. Transfer Credit

This past Spring the Office of Admissions took over the responsibility of the evaluation and awarding of transfer credit. This now provides transfer students with their transfer credit evaluation at the time of acceptance, rather than after matriculation. This new procedure will increase the enrollment rate of transfer students.

E. Internal Changes in the Office

A new filing system has been implemented this past year and is contributing to better service to students.

After consulting with officials of the telephone company, it was agreed that a new system should be installed. This has been done and has fostered a better attitude among the staff and has virtually eliminated the many complaints previously received about our telephone manners.

For the first time, the office was opened Monday and Thursday evenings and Saturday mornings during this past year. This was done primarily to serve those students who require pre-admissions counseling but who cannot reach the office during the day. This arrangement will continue indefinitely.

F. In-Service Training

A program of in-service training of personnel within the office was begun under which two counselors were sent to a one week admissions institute held at Harvard.

Additionally, the entire counseling staff was given a one day orientation of the College Board operations at the Board's New England office.



## Registrar

In addition to the routine functions of this office, several new ventures were initiated this past year:

Established an on-line update system for the course master file. This allows the process of departmental schedules in a quicker and more efficient manner. It also allows updating for a longer period of time and reduction of the addendum to the course schedule from a full page to just four entries.

Adoption of the APTEDIT Text Edit System to produce the course description booklet. The system will provide a better appearance for the booklet and cut the error rate to an insignificant degree. It will also provide on-line creation and updating capabilities.

Instituted the assessment and collection of fees and tuition at the point of registration for all non-degree seeking students. This speeds processing and gives early yet accurate counts of our part-time population.

Successfully processed the first group of + and - grades. The introduction of this new feature in grade recording proceeded smoothly and without problem.

Instituted new method of recording major changes. Both the department being dropped and the new major department are notified. This should increase the accuracy of departmental counts.

Instituted a method of notifying instructors as well as students when change of grades is processed.

Opened new lines of communication with Management Systems with the goal of getting a "Data Base" in motion.

Initiated the domestic student exchange program (35 incoming students) for fall 1978.

Established a Foreign Student Advising Office which also provides information on opportunities for study abroad.

## Library

### (A) Monographic Acquisitions

Most of this year's budget was spent on serial commitments, binding and reserve book purchases. It will be necessary to receive additional funding immediately during the next fiscal year to start wiping out "delayed orders."





(B) Serials

In spite of the fact that our periodical collection has remained essentially stagnant at last year's level of approximately 2900 titles, inflationary increases have pushed this year's expenditure for periodical subscriptions up to \$156,000, a sizeable increase over last year's expenditure of \$131,000. In addition, approximately \$50,000 was spent on the 600 serial standing order titles. This year the 1976 collection was bound and some of the 1977 collection. The Library will still be almost one year behind in binding if sufficient funds do not appear in the FY 79 budget.

Requests to meet needs for additional titles continue to accumulate; on hand are delayed orders of approximately \$23,000.

Earlier this year the Serials Librarian and the Director of Libraries prepared a detailed evaluation of the periodical subscription needs based on the present collection, past growth, national standards and inflationary costs. Two positive steps have been taken this year to decrease costs in the future. After careful consideration of the costs and benefits, conversion of suitable titles from bound volumes to microfilm was increased and together with the science faculty an evaluation of expensive science titles was begun.

Through Amherst an updated printout was processed of serial holdings, including over 1000 important additions and changes. These holdings will be included in the next published Boston Library Consortium Union List of Serials Currently Received. Through participation in the Consortium the Library now receives quarterly microfiche editions of the database which will help greatly in processing additions and changes in the future.

Additional projects over the past year have included an exhibit on contributors to the New Yorker magazine, a complete inventory of all bound periodicals, and a claim of all series standing order titles.

(C) Cataloguing

In fiscal 1978, 23,111 volumes comprising monographic and serial publications, were processed by the cataloguing staff. The total volume count through June 1978 numbers 299,739 volumes fully processed and available for use. In addition to printed materials, 113 titles in the phonodisc collection were catalogued for use on the listening facilities in the Fine Arts Section. This brings the total number of catalogued recorded titles, music and spoken, to 992. The special reference care catalogue project was completed during the year.

(D) Systems

Improvement in the Systems Department have resulted in greater information access and higher production, as well as participation in re-assessing opportunities and goals.



The introduction of the IBM5230 data collection system in the circulation department has resulted in doubling the transaction file during peak activity. The pre-IBM5230 transaction file hovered around twenty-one thousand, and since the introduction of the IBM5230 the file has peaked at forth-three thousand transactions. The Systems Department made significant contributions in designing the new screen format and functions for the automated circulation system which are now operational.

In the area of cataloguing, the automated card production system, LIBCAT, continues to be an adequate source for those new items which are on the MARC data base. Questions of efficiency and continuance on the part of Amherst to support and maintain the computer-generated catalogue card production system has prompted the re-assessment of adopting the Neline/OCCLC on-line system. Cost for membership, equipment and production for our library is estimated at thirty thousand dollars a year which is a minimal expenditure for buying into a national library network and data base.

More at the local level, the Neline/OCCLC system would enhance system networking with libraries in the Boston Library Consortium, in which we are now members. Re-evaluation of system networking for increases in library services and decreases in cost is again receiving attention at multi-levels of management.

Again the goal of system networking and cooperation is strongly implied by a library automation survey being conducted by the Massachusetts Board of Library Commissioners. The Systems Department participated in pre-testing the survey which will be distributed to nearly six hundred libraries in the state.

(E) Circulation

The Circulation Desk of the main library charged out 32,392 books for home use between July 1977 and May 1978. Of these, 21,156 were charged out through the computer, and 11,236 through the manual system.

The main library had extended hours from September 1977 through May 1978. Student usage averaged about 182 per night and 140 on Sundays.

3,247 items were put on reserve in the main library for the two semesters. Of the 2,080 books on reserve, 76.5% were located in our own collection; the rest had to be ordered. Usage continued at about the same level as other years, that is, 38.5% of the books and 25.8% of the articles were never requested at all. These figures suggest that many faculty still fail to make effective use of reserve readings.

(F) Reference

The Reference Librarian has started to collect statistics on the number and kind of reference questions asked at the Central Reference Desk. This year a part-time Night Reference Librarian was hired to cover the Central Reference Desk during the evening hours.





Library Instruction was offered to 89 classes of fifteen to twenty students each, many of them upper division classes, but the majority of them freshman introductory courses. The reference staff is now preparing a grant proposal to be submitted to the Council on Library Resources and the National Endowment for the Humanities for the funding of an instructional program that will increase the effective use of the library by students. Funding requires close faculty participation which the staff is gratefully receiving from representatives of the Freshman English and English as a Second Language faculty. The grant would permit the reference staff to construct a pilot program that would serve as a model for future library instruction.

(G) Interlibrary Loan

Interlibrary Loan received 571 requests from the UMass/Boston community during the year, 257 requests for books, and 314 for photocopies of articles from journals. ILL also received 211 requests for loans from other libraries, and filled all but 21 from our own collection or by forwarding the request to the proper library. It is expected that our new Boston Library Consortium membership with its circum-ambulating delivery truck will stimulate ILL borrowing considerably.

(H) Science Library

The library has limited seating space, but a very constant, loyal clientele both day and evening. Attendance at night ranges from a high of 63 students to a low of 11, with an average of 35, and on Sundays from 47 to 17, with an average of 29. The heaviest circulation takes place through the reserve collection, where the percentage of use of articles is customarily in the 85% range, much higher than that of the main library, although reserve book usage is lower.

(I) The Library of the College of Public and Community Service

Originally conceived as a temporary solution to providing library service for the temporarily located college, the CPCS library is now, apparently, going to be housed at its present site for at least another five years. While the book collection is reasonably good for the curriculum it supports, the number of indexes and abstracts must be expanded if the CPCS community is going to be able to use it for research. However, users will still have to go elsewhere for most of their journal needs because the University Library cannot afford to support two extensive journal collections.



Center for Media Development

(A) Film Services

Film Calendar: this monthly program that was so successful during FY 76-77 has been discontinued. It was originally put into operation to provide a method of maximizing the film rental monies. Because of a change in Purchasing's rental procedures that resulted in an enormous paperwork burden on the Film Supervisor, the monthly publication had to be dropped.

(B) Graphics

Graphics Designer Stephen Korbet has been with the University since January, 1978. Since that time he has completed 29 projects and is currently working on 7 new projects.

(C) Language Labs

The regularly scheduled labs for class participation have been consolidated and are now operational.

With the addition of a Language Lab Coordinator, the facility is earning new respect and support from the language faculty.

The Center needs additional personnel to maintain and improve the service of the Language Labs and needs resources to replace existing student desks and monitor consoles.

Special Programs

(A) Summer School

The University of Massachusetts at Boston summer program has been operated for two consecutive years under a fee-assisted method. The purpose of a fee-assisted program is to generate sufficient revenue to cover all instructional expenses and to offer students a broader selection of courses. During the Spring of 1976 a trust fund was established to collect summer fees and to pay for faculty compensation, tutorial and other instruction-related expenses, plus some administrative costs incurred in the running of the program. Since the adoption of the fee-assisted program, summer sessions have generated enough revenue to cover the cost of supplies, tutorial and administrative expenses to allow the offering of a wide variety of courses to the students.

In the Summer of 1976, the Summer School offered sixty-nine different courses and a total of eight-nine sections, almost twice as many as those offered the previous year. The number of students enrolled was 1317 and out of this number, 180 were outside students. In the Summer of 1977 the program extended to an enrollment of 1750 students. The total number of outside students rose to 350. The average class size was 15 students per class. A summer tuition fee of \$25 per credit, the same as last year, was charged to students and, in addition, a health fee of \$6 and a student activities fee of \$5 were collected by the Bursar's Office and deposited in their respective trust funds.



The regular summer session was seven weeks from July 13 to August 1. Some sequential courses, mainly languages and sciences, were given in two six-week periods, the first period starting on June 6 and the second period on July 18.

The faculty compensation this year was \$1500 per course (an increase of \$100 from last year). Tutorial services, plus additional charges related to courses being taught were covered by the summer school program through the trust fund established for this purpose.

Preliminary reports on Summer School 1978 indicate a total enrollment of 1,750 students, of which approximately 500 came from outside UMB.

(B) Extended Day

Following a series of meetings with CAS chairmen, the VCAA Office prepared a report indicating a growing commitment by UMB to Extended Day. It is generally agreed this program should expand rapidly as a way of increasing the number of part-time students, and as a way of providing educational opportunities to students who cannot attend the university during the daytime because of work and family commitments.

Prof. George Goodwin, a senior faculty member from CAS, was appointed on an interim basis (with the title of Associate Provost) to provide leadership in expanding and establishing a viable Extended Day Program. It is expected that this external push will not be needed after the Fall Semester, as the College of Arts and Sciences can begin to integrate this Program into its regular planning.

(C) Higher Education in Prisons Program (HEPP)

Funded through a contract with the State Department of Corrections, the Higher Education in Prisons Program offers college prep and college level courses at Walpole and Norfolk Prisons. In addition, the HEPP program supervises a limited number of education release students at the Boston campus. These students are residents or in pre-release centers and are within 18 months of their designated parole dates.

The HEPP program had two contracts during the 1978 fiscal year. In addition, a summer contract provided college level courses at both Walpole and Norfolk Prisons as well as an advanced college prep course required as entrance into the college program. In total, 27 courses were offered this past year.

For the last two years, the Advisory Board of the Spiegel Memorial Fund has solicited proposals and interviewed people about possible programs for the institutions. This fall, those efforts will come together in a new program called the Adult Learning Project, offered through CPCS faculty. The goal of the program is to train long-term and life-time prisoners to tutor and teach inmates with educational deficiencies. When an inmate completes the Adult Learning Project, he will receive an institutional appointment to a full time tutor status. Because of limited funding, the program will only be offered in Norfolk Prison where some 200 lifers reside. HEPP provided supervisory control for the Adult Learning Project.





The Department of Corrections has also contracted UMass. for college courses in Bay State Correctional Center and the Groton Farm (Northeast Correctional Center) at Concord. Nine different courses were offered at these two institutions during the 1978 fiscal year.

HEPP's major problem is funding. The Department of Correction is anxious to get the most services for its investment. Because the University does not have a continuing education process, HEPP is unable to establish a trust fund which would enable the program to become more self-sufficient through the use of federal financial aid monies. In addition, the Department feels that the University should be striving to make some money contribution to the education of inmates in the State system. Towards that goal, HEPP has requested \$18,000 towards faculty salaries.

(D) Nantucket Programs

In addition to its Field Station (mostly utilized for biological research), UMB has been utilizing the island of Nantucket for a humanities research program through the American Civilization Concentration of CAS. Although this past year, this program was not offered, plans are underway to revitalize and expand it during 1978-79. In conjunction with these efforts, the University has also been involved in obtaining surplus federal property which will provide badly needed housing facilities for its programs. During the Summer of 1978, a unique archaeological research team is being led by a member of the Anthropology Department with UMB and external funding.

(E) Paris Program

For several years, UMB has operated a junior year in France Program. This past year, efforts have been made to expand this program in order to make it more self-sufficient. It is expected that over 40 students will be enrolled during next academic year.

(F) Office of Internships

In addition to a variety of internship programs operated through individual departments (e.g., SUSS Program in Sociology) and college units (e.g., CPS Placement Program), UMB also maintains an Office of Internships to provide university-wide services.

The Office of Internships placed a total of 119 interns in 1977-78. Of this number, the University Year for Action accounted for forty-nine placements and the Massachusetts Internship Office Program for fifty. The rest were placed through a variety of smaller programs such as Corrections, Broadcasting, American Civilization, Women's Studies and a small cooperative education project through Boston University.

Plans for the coming year include the continuation of these programs and the initiation of a program on the Nature of Prejudice.

It is expected that both the administration and the University Assembly will review the operation of the Office this Fall to determine the location and the extent of its future operation.



## ANNUAL REPORT

### College of Arts and Sciences

1977-1978

The 1977-1978 academic year, the second year of the merged College of Arts and Sciences, was characterized by continued development, innovations and self study. Following the successful leadership of Acting Dean Fuad Safwat during the 1976-1977 academic year, the College began the year with a new, permanent dean. On July 1, 1977, Dr. Michael P. Riccards joined the College as Dean. The Dean addressed the faculty of Arts and Sciences on September 16, 1977. In his speech he complimented the faculty for its major role in developing the College into an undergraduate liberal arts institution that has received praise from many sides and called for a renewed drive toward excellence after several years in which budget crises and other problems had taken toll on the faculty's morale. During the year the College adopted a unified curriculum and began the serious process of implementation. Moreover, the College has moved vigorously in the long range planning process to insure a coherent and functional plan within an identity committed to quality education. Through the collective efforts of an active faculty and administration, the College is healthy and eagerly anticipates its central role in the urban mission of UMB.

#### ADMINISTRATION

Dean Riccards began his duties by assembling his staff. Dr. Joseph Tribble, Associate Professor of English, continued as Associate Dean for Academic Affairs. Dr. James Brennan was recruited for the position of Associate Dean for Policy and Planning and joined the College as an Associate Professor of Psychology as well. Ms. Midori Hayashi and Ms. Judi Roberts continued as staff assistants. Associate Dean Wittes continued as director of Academic Support Services during the Fall Semester, and was replaced in February by Associate Dean James Broderick, who is assisted by Mr. Gerald Sullivan.

The elections for the CAS Senate were held in October, and the membership for the 1977-1978 academic year was as follows:

<u>Department</u>	<u>Faculty Senator</u>	<u>Student Senator</u>
Anthropology	Lawrence Greene	Donna Woodward
Art	Frances Ferguson	Wendy Hubbard
Biology	David Policansky Fuad Safwat	Maureen Downing
Black Studies	Gwen Brown	Sandy Morris
Chemistry	Robert L. Carter	
Classics	Frank Nisetich	Patricia Pruitt
Economics	Mary Stevenson	Jack McCarthy





English	Jo Bunselmeyer	Robert Arney
French	James Broderick	Mary Wojdyslawski
German	Luis Bronner	Kevin-Patrick O'Brien
History	Feroz Ahmad	Melanie Ide
Italian	Tony Carrara	Maria Lofonte
Mathematics	Dennis Wortman	Jann Martin
Music	Some Mukherjee	
Philosophy	Larry Blum	Mark Governor
Physics	D.V.G.L.N. Rao	Nancy Newman
Political Science	Jack Spence	Bruce Larson
Psychology	Howard Ramseur	Justin McSweney
Russian	Diana Burgin	Kathleen Hennessy
Sociology	Susan Gore	Paul Felton
Spanish	Claire Estow	Susan Hamilton
Theatre Arts	Lou Roberts	Lisa Donaghey

STAFF AT LARGE

Chris Robles, Academic Support  
 Bill Havens, Academic Support  
 Joyce Rabin, Political Science  
 Dee Dow Chase, English

Ann Froides, Women's Studies  
 Rusty Simonds, Political Science  
 Richard Horsley, Study of Religion

The Senate began deliberations on the effects of the Summer Curriculum Review Committee, and resolving a unified curriculum involved a major task for the year (see below).

The Senate Personnel Committee under the chairmanship of Professor Louis Roberts received departmental recommendations, and, after their deliberations, forwarded recommendations to the Dean. On 2/17/78, the Committee submitted recommendations for tenure decisions for 13 faculty members to the Dean. Copies of those recommendations were sent to Departmental Chairpersons and tenure candidates. The Dean forwarded his recommendations to the Vice Chancellor for Academic Affairs in March. As of this writing, the following faculty members received tenure:

Faculty

Christine Kibel (Biology)  
 Robert Crossley (English)  
 Frank Nisetich (Classics)  
 Susan Relyea (French)  
 Richard Horsley (Study of Religion)  
 Michael Rex (Biology)  
 Donald Nixon (Psychology)  
 Lawrence Kamara (Sociology)



By early April, the Senate Personnel Committee forwarded to the Dean recommendations on 15 candidates for promotion and 20 faculty members under pre-tenure evaluation. The following promotions were recommended to the Vice Chancellor of Academic Affairs by the Dean:

<u>faculty</u>	<u>promoted to</u>
Barbara Ayres	Full Professor
Hal Thurman	Full Professor
Hans Van Willigan	Full Professor
S. Schiavo Campo	Full Professor
Ann Berthoff	Full Professor
Feroz Ahmad	Full Professor
Paul Bookbinder	Associate Professor
Timothy McCarthy	Associate Professor
Colin Godfrey	Associate Professor
Stephen Parrott	Full Professor
Marvin Antonoff	Full Professor
Arthur Simonds	Associate Professor

As of 6/1/78, the status of faculty recruitment was as follows:

<u>Department</u>	<u>Positions Allocated</u>	<u>Status</u>
Anthropology	1	Offer accepted
Art	2	1 offer accepted
Economics	3	2 offers accepted
English	3	1 offer (ESL) accepted
History	2	1 offer accepted
Mathematics	1	Offer accepted
Philosophy	1	Recruiting
Psychology	2	Recruiting
Spanish	2	2 offers made
Theatre Arts	1	(fractionalized line)

Dean Riccards appointed an Ad Hoc Committee on faculty scholarship, chaired by Professor Fred Gamst.

Associate Deans Tribble and Brennan met in early March with the collegiate committee on faculty scholarship to discuss implementation of their recommendations, including a reduced load program for scholarly activity. In addition, Professor Giustiniani and Associate Dean Brennan are continuing the work on a CAS faculty directory of scholarly achievement to be published before the end of fall 1978 Semester. Further, the Dean announced a program for reduced teaching load for scholarly work. Candidates interested in applying were informed of the procedures and departmental endorsements needed, and a committee is prepared to review proposals, pending clarification of guidelines with the Chancellor.

Associate Dean Brennan is representing the College on the Chancellor's Committee on Bill 504 as it relates to Handicapped students. All academic units



and facilities will be surveyed to provide input to the campus document on 504 implementation.

Professor Auslander and Associate Dean Brennan represented UMB at the meeting of the Instructional Task Force, Joint Operations Committee of New England Land Grant Universities, February 24-26 at the New England Center, Durham, New Hampshire. A report of last summer's faculty workshop on utilization of graduate teaching assistance was presented, followed by an effort to develop a proposal for next summer's faculty workshop topic on "active learning". Drs. Auslander and Brennan are planning possible orientation workshops for faculty in CAS for Fall 1978.

The College Committee on the Status of Women was established with Ann Froines Chairperson and Midori Hayashi serving. The ad hoc advisory committee on equipment, maintenance and purchase met frequently. Membership consists of James Brennan (chairperson), Susan Bigger, Michael Larson, Arthur Martin, Raymond Melches, Celia Moore, Barbara Luedke, Rowell Schwartz, and Midori Hayashi. The Committee heard representatives from purchasing and media services discuss budgetary constraints in the relationships between their agencies and the college. The committee worked with the Vice-Chancellor for Academic Affairs to allocate reserve funds for equipment to facilitate more effective planning in equipment allocation. The Ad Hoc Committee on CAS Equipment Needs has worked with the Dean's staff to generate priorities of equipment needs for the present academic year. The Dean has recently charged the Committee to continue its work by projecting needs for the next three years. The Committee will coordinate departmental input with suggestions from the Office of Grants and Contracts and the Purchasing Office.

Associate Dean Joseph Tribble served on the committee on Personnel Policy Implementation as well as the Danforth Fellowship Committee. Associate Dean James Brennan served on the Faculty Advisory Board of the Handicapped Student Center, and he joined representatives of the Office of the Vice-Chancellor for Academic Affairs and Educational Planning for a series of meetings at the Amherst campus to discuss increasing computer options for the College data base. The latter group continues to meet on this campus to pursue implementation and co-operation in use of data sources.

As part of the long-range planning procedures, the college participated in an evaluation by a outside team, October 24-26, 1977. Associate Dean Brennan has handled those aspects of the College's Self-Study for which the Dean's Office was responsible. He served as liaison to the Campus Long-Range Planning Committee, and forwarded to that Committee the complete Self-Studies of departments and programs. He made plans for the arrival of the outside evaluators, who visited the College on October 24 and 25. The Dean recommended to Vice Chancellor Steamer that a single team of high-level administrators replace the previously-planned separate teams for each of the major areas of the College (Humanities, Languages, Natural Sciences and Math, and Social Sciences). The Vice Chancellor accepted the recommendation; the single team that evaluated all the College's programs was comprised of the following persons:

Diether Haenicke	Provost	Wayne State University
Donald Schwartz	Chancellor	Indiana-Purdue
Kenneth Wheeler	Provost	Rutgers-New Brunswick Campus
Harry Ausprich	Dean	Arts and Humanities, SUNY





Prior to their visit, the committee members were sent all of the departmental and program self-study documents, the Summer Curriculum Review Report, the Chancellor's Report of 12/76, the University Bulletin and a history of the College. The committee met with the chairpersons of the arts, social sciences, natural sciences, languages, and humanities departments as well as the program directors. In addition to extensive meetings with the Dean and his staff, the committee met with the Chancellor, Vice-Chancellor, Director of Graduate Studies, Accreditation Officer and the chairperson of the campus Long Range Planning Committee. Dr. Ausprich scheduled individual, additional meeting times with the chairpersons of Art, Music, and Theatre Arts Departments. The committee met alone on several occasions to draft its report. Chairperson Haenicke edited the report and circulated it among the other committee members, and the final copy was delivered to the Dean in the middle of November. The report from Dr. Diether Haenicke, Chairperson of the external evaluation team, was received on November 21, 1977. The report of the team's visit was discussed by the Dean and his staff, and copies of the report, with a brief statement from the Dean, were distributed to Chairpersons and Program Directors. The report itself was somewhat disappointing in terms of its limited scope and recommendations. After some discussion, the Dean reconstituted the collegiate long range planning committee in May. He charged the committee to consider the various sources of pressure impinging on the College and seriously consider all strategies to meet these demands. A report is expected from the committee by July 15, 1978.

The Dean formed a committee on liaison with CPS and CPCS. The Committee will examine the relationships with the two other colleges and make recommendations to the Dean in an interim report by December 5, 1977 and a final report by December 31, 1977. The Committee will concentrate on issues of common concern especially in the areas of curriculum, intercollegiate coordination and liaison, and ongoing programmatic development and evaluation. The members are Professors Frank Broderick (Chairperson), Bernice Auslander, Charles Knight, Steven Schwartz and Leverett Zompa. On 2/1/78, the Dean received "A Report to the Dean of the College of Arts and Sciences on the Relation between CAS and The College of Public and Community Service and The College of Professional Studies". Copies of the report were submitted to the Vice Chancellor for Academic Affairs as well as the other two colleges, and the Dean is awaiting responses from Deans Freeland and Strange.

Beginning with the Fall '78 schedule, this office implemented a new procedure for designing course schedules. Departments were required to submit proposed course schedules to Associate Dean Tribble for approval prior to the schedules' acceptance by the Registrar. This added step is intended to provide better adherence to approved University scheduling directives as well as permit the Dean's Office an earlier indication of potential conflicts with existing needs and resources. Accordingly, course schedule proposals for the Fall, 1978 semester were submitted by departments to this office for review. Adherence to university and collegiate scheduling regulations was checked with special attention to extended day offerings, and the schedules have been submitted to the Registrar for publication.

A preliminary survey of Extended Day offerings during the present academic year and the impact of Extended Day goals for 1978-79 was prepared by this Office and forwarded to the Vice Chancellor for Academic Affairs as part of the Mid-year Review. Associate Dean Tribble coordinated efforts with CPS to facilitate cross-enrollments between the Colleges during Extended Day. As of 4/30/78, majors in Psychology and Sociology were in place for the Fall Semester. Majors in English and Mathematics are definitely possible as well, and the Dean is exploring additional resources for Economics, so that a total of five majors



might be immediately available for Extended Day students.

Ms. Joan Hobson, coordinator of the CAS Arts Festival joined in with the Dean's staff in January. The various Arts Festival committees under the direction of Ms. Hobson planned for the Festival which was held from 2:00-11:00 P.M. on May 6th and 7th. The success of the festival was confirmed by the positive recognition given to UMB from various community and governmental areas.

The campus open-house on October 2, 1977 was attended by a large crowd. The departments and programs of the College participated with demonstrations and presentations, and contributed to the general success of the program.

### ACADEMIC PROGRAMS

The Senate concluded debate and passed the new curriculum. Details will be forwarded to the Dean for review, and both the Dean and the Senate Academic Affairs Committee are beginning steps toward speedy implementation, which will be fully achieved by Fall, 1979. The general description of the new curriculum may be summarized as follows:

The new Arts and Sciences Curriculum, which will go into effect in the Fall of 1978, asks students to devote approximately one third of their college work to Core Curriculum courses, one third to courses in a major discipline and one third to elective courses. In addition it asks that students take two courses in English verbal skills (or gain a waiver) and demonstrate competence in writing before the beginning of the junior year by passing the English Writing Test or presenting equivalent evidence.

The Core Curriculum Courses seek to introduce students to liberal learning--the kind of learning that broadens awareness, deepens understanding, poses alternatives, and informs decisions. The College will offer more than a hundred Core Courses that represent essential ways of understanding and evaluating the world and our lives. Students will be required to elect twelve of these Core Courses from the following seven broad areas, and they may count up to three courses in no more than one area, and as many as two in any other area:

- Historical and Cultural Studies
- Philosophical and Humanistic Studies
- Social and Behavioral Sciences
- Natural Sciences
- Arts
- Mathematics and Computer Languages
- Foreign Languages

A subcommittee of the University Kennedy Library Committee, chaired by Professor Goodwin, has solicited nominations for the 1978 Kennedy Award for academic excellence. The Dean requested departmental nominations by April 7, 1978, and CAS nominees were: Ann Verdon, Psychology (ultimately the winner); Emily Sterns, Mathematics; and Robert Arney, English.



Another subcommittee of the Kennedy Library Committee is working on a two-course proposal involving library resources. A general, upper-level course is proposed in the political, historical and economic aspects of the impact of the Kennedy family in the context of Irish-American politics. A second course will deal with museum pedagogy and will be taught by TCP. During the year prior to the Library opening, the general course will be open to approximately fifty students from within and outside of the university community, of which fifteen-twenty students each semester will enroll in the museum pedagogy course. In response to the stated needs of Mr. Fenn, Director of the Library, we hope to generate by Fall, 1979 a pool of sixty students who may qualify for positions as docents in the Library. Moreover, experience in museum pedagogy within the context of a Presidential Library practicum will provide an excellent educational opportunity for students with related career aspirations. The Vice Chancellor has approved start-up funds for two courses to be developed in conjunction with the Kennedy Library: "The Kennedys of Boston; Historical, Political and Economic Impact of an American Family" (joint History and Political Science offering) and "Practicum in Museum Education" (TCP). Summer stipends will provide for preparation of materials for the courses, and efforts will be made to prepare the courses for governance action by early Fall, 1978.

A task force, consisting of the Latin American Studies Concentration and representatives of the Dean's Office, met to discuss strategy for a Ford Foundation Development Grant. Among the programs receiving priority is a preliminary effort to develop a student/faculty exchange with the University of Puerto Rico, San Juan, now under final review by the Ford Foundation.

The Mathematics Department has implemented a placement test for students wishing to take Math 110. A total of 800 students have taken the examination since November. The Dean's Office and the Computer Center are working with the Mathematics Department in the evaluation of the instrument as well as future modifications of the testing program, which will eventually assess basic mathematical skills in 1,000 students each semester.

The campus Committee on Communications and Media met on 4/21/78 to discuss proposed directions for related academic programs. Associate Dean Brennan conveyed the strong position of the CAS Academic Affairs Committee that faculty members be involved in the initiation, development and implementation of any program forthcoming from the Committee.

The College has been informed that Ms. Mary Anne Carroll, a Chemistry major, has been awarded a Danforth Fellowship. Ms. Carroll plans to use this prestigious award for graduate work at MIT. Ms. Martha Kaplan, a sophomore from Bryn Mawr College, received a summer stipend award from Bristol-Myers Company for an internship in education management in the Dean's Office, and her work was supervised by Associate Dean Brennan.

The College has received a gift of \$3000.00 to support the Armenian courses it offers. The gift, from a foundation established by Alex and Marie Manoogian, has been put in a trust fund and will be used for courses in the spring semester.

Associate Dean Brennan has submitted a grant proposal to the NIH program for Biomedical Research Development. Funds from this grant will allow a three-year program of faculty and student research support, equipment purchase, library enhancement and visiting distinguished scientists in the areas of Anthropology, Biobehavioral Studies, Biology (Microbiology), Chemistry (Biochemistry), Physics (Biophysics), Psychology, and Sociology (Medical Sociology).







Professor Susan Schneider and Dr. Loretta Slover have submitted a proposal for a concentration in Portuguese and Brazilian Studies. Essentially, this proposal aims at complementing existing student majors with a background in the Portuguese language and the economic/political/social impact of Portuguese-speaking countries. The Dean is presently reviewing the proposal in light of budgetary constraints.

#### STUDENT ACADEMIC SUPPORT SERVICES

The Freshmen Seminar program involving 150 students taught jointly by the Freshman English Program and the support services skill staff began an evaluation phase. A matched control group of standard Freshman English students were compared to the seminar students to evaluate the effectiveness of the seminars in introducing students to college-level work, particularly to college-level writing.

The tutorial program, utilizing upper classmen, functioned at a level of 700 man/hrs per week, with heaviest demand for mathematics assistance. Academic Services conducted training sessions for tutors and coordinated the help sessions through classroom contact. Students recruited during orientation for mathematics workshops have shown a surprisingly low attrition rate.

Academic Support Services sent printouts of student majors to departments for assignment of advisors. A general mailing to all CAS students will follow, indicating advisor assignments and instructions for the meeting between each student and advisor during advising week. Departments were asked to identify a faculty member to act as liaison with Academic Support Services and also to assist in advising undeclared majors. The advising staff coordinated all advising as well as advising undeclared majors.

A sampling of activities is as follows:

1. Tutorial by 140 Student Tutors: Student Tutors provided individual and small group assistance to students enrolled in: Anthropology, Armenian, Biology, Chemistry, Economics, English, English as a Second Language, French, German, Greek, History, Italian, Latin, Mathematics, Music, Philosophy, Physics, Politics, Portuguese, Psychology, Russian, Sociology, and Spanish. Most tutorial coverage occurs at the introductory and intermediate levels, and most tutorial activities are well integrated into departmental offerings (i.e., most tutors are assigned to specific sections of courses).
2. Social Science Skills Adjunct Courses: Ten skills adjuncts were taught in conjunction with the following introductory level social science courses: Anthropology, History, Politics, Psychology, and Sociology.
3. Workshops and Group Tutorials: The following skills workshops were offered by professional staff and student tutoring staff:

Reading Writing Improvement Workshop (three sections)  
Mathematics 110 Workshop (two sections)  
Mathematics 130 Workshop (one section)



Mathematics 140 Workshop (two sections)  
Basic Mathematics Workshop (two sections)  
Chemistry 103 Workshop (four sections)  
Organic Chemistry Workshop (one section)  
Biology 111 Workshop (two sections)

Professor James Broderick was named Associate Dean for General Studies and assumed his new duties on February 1, 1978. Supported by the entire Dean's staff, he has implemented several new directions for academic support services. In particular, management of support services will be examined with the goal of better evaluation of the delivery of services to the student body. Further, the Academic Support staff were briefed on data available from College and University resources to assist in planning and delivery of services.

Planning for the Tandem Seminar Program, in conjunction with freshman courses, is well underway for Fall, 1978. Eight seminars are planned in a wide range of disciplines, and the pre and post-testing instruments are designed to assess program effectiveness.

A revised advisory program is in the process of implementation. A senior faculty member in each department will be assigned the coordinating role of overseeing faculty advisement of majors, freshmen, and undecided students opting for departmental advising. In addition, an orientation advising program for new students, involving "big brothers and big sisters" has been proposed to Student Activities Committee by members of the English and Psychology Clubs.

Academic Support Services was actively involved in the curriculum deliberations in the Senate by specifically helping to design the two credit, essential skills component to be offered by the staff of Academic Support Services. Moreover, Associate Dean Broderick is meeting with the two subcommittees on curriculum implementation. Special attention is being given to anticipated problems in the identification of core courses offered by various departments. As a result of the recent adoption of the curriculum, Academic Support Services also plans to modify the summer orientation to include large scale meetings of new students in August, at which time specific courses that meet core requirements should be identified. In addition, the staff of Academic Support Services has been to meetings with the two subcommittees of the Senate Academic Affairs Committee. Both Committees deal with implementation of the new curriculum in the areas of the core distribution requirement and fundamental skills. Concerning the latter requirement, proposals for three essential skills courses indicated in the new curriculum have been prepared by Academic Support Services. The Academic Support Staff has been involved in the design of the readmittance process and honors programs in the various departments. In addition, Mr. Sullivan has been coordinating College planning for Commencement activities.

An extensive proposal for faculty development in essential skills development has been submitted by ILT and Academic Support Services to FIPSE. This project will involve workshops and other training settings to help faculty work with essential skills in course offerings. A total of \$225,450 has been requested for a three year period.

A Spanish-speaking skills specialist has been recruited and will soon add needed service for many of our students.



## ANTHROPOLOGY

Barbara Chartier Ayres

### Publications

"Talented Amateurs in Psychological Anthropology", Reviews in Anthropology, 4(3):258-63

### Continuing work

Research using Human Relations Area Files on womens' contributions to subsistence and forms of marriage.

The Role of Psychological Factors in Artistic Behavior, to appear in The Handbook of Cross-Cultural Development, edited by Beatrice Whiting, Robert Monroe and Ruth Monroe, Garland Publishing Co., Ms. submitted, approximately 60 pages.

Naomi H. Bishop

### Publications

"Langurs Living at High Altitudes" J. Bombay Natural History Society, February 1977.

"AN EVER CHANGING PLACE" Simon and Schuster, February 1978.

### Continuing work

"Himalayan Langurs: Temperate Colobines", in preparation.

### Grants Activities

National Endowment for the Arts, to make the film YOYO MAN.

### Presentations

"Himalayan Langurs: Temperate Colobines", meeting of Animal Behavior Society, University Park Pennsylvania, June, 1977.

### Consultantships/editorial service

MUSIC AND DANCE IN SIKKIM, Parts I and II Ethnomusicology, (a film review).

Reviewed a proposal for a textbook, Racial and Genetic Variation in Human Populations for Little Brown and Company.

Reviewer for an article submitted to Science.

Fazel Golamreza

### Publications

Social and Political Status of Women Among Pastoral Nomads: The Boyr Ahmad





of Southwest Iran. Anthropological Quarterly. 50, 1977, No. 2. pp. 77-89.

The Lur of Iran. In: The Ethnographic Survey of the Muslim World. Richard V. Weekes, ed., Westport, Conn. Greenwood Press, 1977.

The Persians. In: The Ethnographic Survey of the Muslim World. Richard V. Weekes, ed., Westport Conn. Greenwood Press, 1977.

"Economic Bases of Political Leadership among Pastoral Nomads: The Case of the Boyr Ahmad Tribe of Southwest Iran", Iranian Studies, in press.

#### Continuing work

Court of Mediation: Some aspects of change and continuity among the Nomads of Southwest Iran. Human Organization, in preparation.

Economics Bases of Political Leadership among Pastoral Nomads: The Case of the Boyr Ahmad, in preparation.

Lawrence S. Greene

#### Publications

Hyperdemic Goiter, Cretinism, and Social Organization in Highland Ecuador". In: L.S. Greene, (Ed.), Malnutrition, Behavior, and Social Organization. New York: Academic Press, pp. 55-94, 1977.

"Toward an Appreciation of the Biological Bases of Behavioral Variation and its Influence on Social Organization". In: L. S. Greene, (Ed.), Malnutrition, Behavior, and Social Organization. New York: Academic Press, pp. 267-291, 1977.

"Preference for Sweet in Humans: Infants, Children and Adults". In: J.A. Weiffenbach, (Ed.), Taste and Development. DHEW Public. No. (N.I.H.) 77-1068. Bethesda, Md.: U.S. Department of Health Education and Welfare, pp. 161-172, 1977.

Malnutrition, Behavior, and Social Organization. New York: Academic Press, 1977.

#### Presentations

"Iodine Malnutrition and Neuropsychology", Talk given in the Department of Nutrition and Food Science at M.I.T.

"Social and Biological Predictors of Nutritional Status, Physical Growth, and Behavioral Development" which was held at the American Anthropological Association Meetings in Houston in December, 1977.

Discussant of a session of the International Conference on the "Behavioral Effects of Energy and Protein Deficits" in Washington in December, 1977.



Barbara Luedtke

Publications

"Survey in the Coastal Zone" Peabody Museum Press volume on archaeological survey in Massachusetts, in press.

"Late Woodland Projectile Points in Michigan" Michigan Archaeologist, March, 1978.

"Report on Archaeological Survey of the Sales and Green Creek Area, Revere, Massachusetts", prepared for Camp Dresser McKee, Inc. Boston.

"Report on Survey for Cultural Resources along a Proposed Metropolitan District Commission Water Pipeline in the Blue Hills, Massachusetts". prepared for MDC.

"Archaeological Investigation for the Centennial Industrial Park, Peabody, Massachusetts" prepared for Institute for Man and Environment, U. Mass. Amherst.

Continuing work

"Chert Sources and Trace Element Analysis", American Antiquity, under review.

Preparation of data from the Calf Island Site for eventual publication as a long article.

Presentations

"Site Survey in the Coastal Zone", delivered to Fall meeting of the Coalition for Archaeology in Massachusetts, 11/14/76.

"Late Woodland Trade Patterns in the Upper Great Lakes Area", delivered as part of Symposium entitled "Artifact Analysis: A Rethinking of Trade in the East" Meetings of the American Anthropological Association, Washington D.C. 11/21/76.

"Prehistoric Human Adaptation in Boston Harbor: Ecological Relationships Between Man and Environment" delivered to Northeastern University Biology Department Colloquium Series, 2/18/77.

Discussant for Symposium on Site Survey in New England at Northeastern Anthropological Society Meetings, Providence R.I. 3/24/77.

Consultantships/editorial service

"Review of Norman B. Tindale's Aboriginal Tribes of Australia" American Notes and Queries Vol. 25, No. 2, pp. 28-30. October, 1976.

Gerald F. Murray

Publications

"Catholicism and Peasant Voodoo in Haiti", will be published in a volume entitled Catholicism in Latin America (T. Bruneau, ed.), in press.



## ANTHROPOLOGY CONTINUED 4

### Continuing work

The El Salvador project produced quantitative data on economics, nutrition, fertility, and morbidity in a Salvadorean peasant community. The report entitled "Traditional and Modern Strategies of Health Care Delivery in Rural El Salvador", was based on hand tabulations of the survey data, and is in the process of preparing for publication.

### Presentations

Colloquium at the Centre for Developing Area Studies at McGill University (Montreal).

Colloquium to the Institute for Urban and Minority Education at Teachers College, Columbia. The topic was Haitian culture vis-a-vis "mainstream" institutions.

### Consultantships/editorial service

Review of Dominicans in the Diaspora by Glen Hendricks. Published in American Anthropologist (Sept. 1977).

Comment on "Standardization and Measurement in Cultural Anthropology" by Jerry Moles. Appeared in Current Anthropology, June 1977.

Timothy R. Sieber

### Publications

"Brokers and Symbols in American Urban Life" Anthropological Quarterly 50:2.

"Schooling, Socialization and Group Boundaries: a Study of Informal Social Relations in the Public Domain", Urban Anthropology, in press.

### Continuing work

"Schoolrooms, Pupils and Rules: the Role of Informality in Bureaucratic Socialization".

Organizations that Socialize: Studies in the Making and Remaking of American Culture.

"School Discipline: Cultural Transmission in and for the Public Sphere" and "Pupils and their Peers: Informal Social Relations in the American Elementary School Classroom" in preparation.

### Presentations

Co-organizer and co-chair of a symposium entitled, "Organizations that Process People: Anthropological Perspectives". My paper, "Functions of Informality in the Classroom", was one of those presented in a symposium, meeting of Northeastern Anthropological Association.





ANTHROPOLOGY CONTINUED 5

Consultantship/editorial service

Social Forces: Teaching and Social Behavior: Toward an Organizational Theory of Instruction. Philip C. Schlechty, 1976; and School Experience: Explorations in the Sociology of Education. Peter Woods and Martyn Hammersley, Edsl, 1977.

Review for Journal of Ethnic Studies: People of the Zongo: the Transformation of Ethnic Identities in Ghana.



## ART

Ros Barron

### Publications

Video Art, an Anthology Edited by Ira Schneider & Beryl Korot, Harcourt Brace Javanovich, N.Y. and London 1976 pp. 163.

The New Painting by Udo Kultermann Praeger, New York, pp. 171.

### Grants Activities

WGBH Educational Foundation and Rockefeller Foundation Commission for Production, \$7000. 1976-77

### Presentations

Invited to perform a new work, Five Lives Operating on the Fifty-Fifty Principle, and give lecture/seminar at Ohio State University, Columbus, March, 1977.

Invited to show videotapes/lecture, So. Hadley Public Library, April, 1977.

### Consultantships/editorial service

JUROR: Video Program, Mass. Council Arts and Humanities, October, 1976.

### Exhibitions/Performances

Videoworks, Massachusetts College of Art, March, 1976.

Boston City Hall, Collected Videoworks, May, 1976.

Videoworks, Masson College, Springvale, Me., March, 1977.

Paintings & Videotapes, Bos Gallery, Newbury Street., Boston, June, 1977.

Headgame, May 15, 1977, Artist Showcase, WGBH-TV.

Magritte Sur La Plage, April 24, 1977, Artist Showcase, WGBH-TV.

Lea Grammont, March 13, 1977, Artist Showcase, WGBH-TV.

Lea Grammont, May 14, 1976, Artist Showcase, WGBH-TV.

'Changing Channels', Museum of Fine Arts, Boston, June, 1976.

Videoworks (shown with works of Don Burgy) BVAU Gallery, Boston, November, 1976.

'Four Evenings of the Cathode', Massachusetts College of Art, April, 1976.

Ruth Butler

### Publications

"Rodin's Unknown Legacy", Art News, September, 1976.



ART CONTINUED 2

Continuing work

Rodin in Perspective, in preparation.

Presentations

Chaired session on Rodin at College Art Association Meeting, January, 1977.

Consultantships/editorial service

Review of Western Sculpture, Definitions of Man (New York Graphics 1975) by Gabriel Weisberg in Art News, November, 1976.

Phillip Cervera

Grants Activities

Research material on Dario de Regoyos gathered in Spain under an NEH Summer Stipend.

Consultantship/editorial service

Identified and catalogued six paintings by Dario de Regoyos for the Meadows Museum at Southern Methodist University in Dallas at the request of William B. Jordan, Director.

Frances Fergusson

Publications

"Wyatt Chairs: Rethinking the Adam Heritage", Burlington Magazine, CXIX, #892, July, 1977, pp. 493-497.

"Leonardo da Vinci and the Tiburio of Milan Cathedral", Architettura (published simultaneously in Germany, Italy and the United States), in press.

"James Wyatt and John Penn: Architect and Patron at Stoke Park, Buckinghamshire", Architectural History (Journal of the Society of Architectural Historians of Great Britain), in press.

"Morelly and Claude-Nicolas Ledoux: Utopian Town Planning and Political Theory in Eighteenth-Century France", French Studies (published in Cambridge, England; the leading periodical for the history of French culture), in press.

Continuing work

A notebook of architectural designs in the National Library of Ireland, has been accepted in advance by the Burlington Magazine.

An article on James Wyatt's work as Surveyor of Woods and Forests and the development of the architectural profession in England in the late 18th century, in preparation.





Marcia Lloyd

Exhibitions/Performances

"SMALL SCALE WORKS", Boston Visual Artists Union Gallery, Boston, Mass., October, 1976.

Solo Exhibition, Manwaring Gallery, Cummings Art Center, Connecticut College, New London, November, 1976.

"Black Artists in America", Southeastern Massachusetts University, North Dartmouth, Mass., December, 1976.

Faculty Exhibition, Harbor Gallery, University of Massachusetts, Boston, Ma., February, 1977

"Art of the State", Rose Art Museum, Brandeis University, Waltham, Mass., June-August, 1977.

Robert Risse

Exhibitions/Performances

A video work entitled, A Moving Picture Show (30 min.; b&w): placed as finalist in the Artists Fellowship Program video competition sponsored by the Massachusetts Arts and Humanities Foundation;

The same work was selected for exhibition in The Video Show which was presented by The Massachusetts College of Art in cooperation with the Museum School and the Carpenter Center; shown at the Mass. College in April.

Hal Thurman

Continuing work

Continuation of work on prints, collages, and paintings throughout the report period.

Exhibitions/Performances

Some work displayed at Sunne Savage Gallery on Newbury Street.



## BIOLOGY

Kamaljit S. Bawa

### Publications

Spatial relationships between staminate and pistillate plants of some dioecious tropical forest tree species. Evolution 31: 1977 64-68.

Reproductive biology of Cupania-guatemalensis Radlk (Sapindaceae). Evolution 31: 1977 52-63

Patterns of variation. In: B.B. Simpson (ed). Mesquite: its biology in two desert exosystems. Dowden, Hutchinson & Ross Inc. 1977 Stroudsburg, Pennsylvania. pp 26-43.

Sex ratios in some tropical trees, in press, 1978.

Why are pistillate inflorescences of *Simarouba glauca* eaten less than staminate inflorescences. Evolution, in press, 1978.

Directory of current workers in tropical hardwood genetics. 38; 1977.

Sex ratios of tropical forest trees (Abst.). Bull. Ecol. Soc. America: 58, 1977.

Reproductive ecology of Azalia nudicaulis (Araliaceae) (Abst.) Bull. Ecol. Soc. America 58, 1977.

Cover Picture, Bioscience, June, 1977.

### Continuing Work

Pollination biology of Trophis involucrata (Moraceae): wind pollination in the understorey of a rain forest. Under review.

Evolution of dioecy and sex reversal in plants. In preparation for Annual Review of Ecology and Systematics. Scheduled for publication in 1979.

Pollination biology and Community ecology. In preparation for American Scientist.

Reproductive biology of tropical forest trees. In preparation for a book on Tropical Forests to be published by Springer-Verlag as part of a series On the Ecosystems of the world.

Breeding systems of plants in the new world tropics. In preparation for International Symposium on Reproduction in Higher Plants to be held in New Zealand. 1979.

Reproductive biology of Tropical forest trees

Genetic variation in Tropical forest trees

Population ecology of Azalia nudicaulis and other temperate perennial herbs.



## BIOLOGY CONTINUED 2

### Grants Activities

Breeding systems of tree species of a tropical rain forest, NSF, \$128,000, in review.

Research Development, Smithsonian, \$2,665, in review.

Undergraduate Research Participation, NSF, \$28,000, funded.

### Presentations

University of Massachusetts/Amherst, lecture

Boston University - Tropical Biology Group, lecture

Dartmouth College - Tropical Biology Group (in Costa Rica), lecture.

Invited to present a paper in an International Symposium On Reproduction in Plants to be held in New Zealand in 1977.

Invited to present the status report On the Action Group for Tropical Hardwood Genetics at the World Consultation On Tree Breeding held at Canberra, Australia, In March 1977. Did not attend due to lack of financial support from the University.

### Consultantships/editorial service

Reviewed proposals for the National Science Foundation's ecology and systematics sections.

Reviewed manuscripts for Ecology, American Journal of Botany, Systematic Botany

As a convener of the Action Group for Tropical Hardwood Genetics of the International Union of Forestry Research Organizations, published a 36/page directory of the Current workers in Tropical Hardwood Genetics. The directory originated from about 200 questionnaires that I prepared and distributed last year. Several weeks were spent in compiling, editing and distributing the directory.

Served as an external examiner of Mr. S.K. Yap's Ph.D thesis entitled Reproductive Biology. The thesis submitted to the University of Malaysia.

Elizabeth A. Davis

### Continuing Work

Text on Development of Biology, in preparation.





## BIOLOGY CONTINUED 3

John Freeberg

### Publication

Blue-light-induced absorbance changes in membrane fractions from corn and Neurospora. Plant Physiology. 59: 948-952.

### Continuing Work

Comparison of photosynthesis in sporophytes and gametophytes of Todea barbara.

William G. Hager

### Publications

Differences in Chlorophyll-Protein 668 Concentration in the leaves of Atriplex hortensis during Development. Plant Physiology Supplement 59 Abst. 51 1977.

Cellular Location of Chlorophyll-Protein 668 in Atriplex hortensis. Plant Physiology Supplement 59 Abst. 52 1977.

### Continuing Work

Completed work on a carbon dioxide and water vapor measuring system. System is being used to measure plant photosynthetic rates of Atriplex hortensis and other plants. Entire gas monitoring system allows for the simultaneous measurement of carbon dioxide uptake and water vapor emission of an entire plant. Photosynthetic rates of single leaves can also be measured using the gas analyzing system. Joint projects with other faculty members are now being attempted using the carbon dioxide measuring system..

Research was continued as to the physical properties and function of chlorophyll protein 668. Purification of this unique, water-soluble, chlorophyll protein was achieved.

Purification of Chlorophyll-Protein 668 from stem material of Atriplex hortensis. Under review, 1977.

### Grants activities

Faculty growth grant of 1,000 dollars from U.Mass. Boston.

Applied for a research grant from the National Institute of Health for their young Environmental Scientist Career award, not funded.



## BIOLOGY CONTINUED 4

Bettina H. Harrison

### Publications

- Intercellular junctions in the developing mammalian thymus. Anatomia,  
~ Histologia, Embryologia, in press.
- ✓ Ozone effects on pollen tube growth in vivo and in vitro. Canadian  
Journal of Botany, in press.

### Continuing Work

The epithelial surface of palatine tonsils.

### Grants activities

Fellowship grant from the National Leukemia Society from Jan.1, 1977  
In the course of this research we have used column chromatography, disc-  
gel electrophoresis, Radioimmuno-assays, reverse transcriptive assays,  
"rocket" electrophoresis, and double immuno-diffusion electrophoresis.  
We have cultured bone marrow cells from many normal and clinically ill  
patients, and separated the proteins by sucrose gradient and ul-  
tracentrifugation techniques.

Lawrence Kaplan

### Publication

Invited contributor to status paper on "Genetic Resources in Beans,"  
communicated to National Plant Genetics Resources Board.

### Presentations

Seminar: Domestication in American Phaseolus. Ecology and Evolution  
Seminar program. Yale University Feb. 18, 1977.

### Consultantships/editorial service

Consulted on preparation of articles on underutilized economic legume  
spp. Nat. Acad. Sci., Nat. Res. Council, Commission on International  
Relations.

Member of faculty committee of Center for Materials Res. in Arch. and  
Eth. and contribute to grant proposal for teaching lab and proposal for  
planning research program (both now funded by Nat. Endowment for  
Humanities).

Reviewer for : Science, Econ. Bot., Evolution.

Lecture on "Archeological Seeds" at Symposium On Biosystematics of seeds  
Am. SR for Seed Sci and Tech. U.Mass. Amherst June 22, 1977.



## BIOLOGY CONTINUED 5

Christine Kibel

### Publication

Cellular and synaptic organization in the lamina of the dragon-fly, Symptetrum rubicundulum. Proc. Roy. Soc. Land. Ser. B. 196:385-413, 1977.

### Continuing Work

The arrangement of photoreceptor cells in the dragon-fly ommatidia was established and their ultrastructure studied. These ommatidia are unusual established and their ultrastructure studied. These ommatidia are unusual in that the central rhabdome is not only fused but is also tiered; the pattern of the photoreceptor cell contribution to this rhabdome has never before been satisfactorily worked out.

Chromatic adaptation experiments. In order to understand the significance of synaptic organization patterns in the first synaptic relay station of the visual system it is important to know the specific sensitivities of each of the participating photoreceptor cells.

An initial examination of diurnal variation in photoreceptor cell ultrastructure was made.

Dragon-fly material was fixed for winter work - in particular studies of the 1st optic lobe will be undertaken.

Organization of the dragon-fly retina, in preparation.

### Grants activities

Awarded UMB Faculty Development Grant, Neuroanatomy of Dragon-fly visual system.

Awarded Fellowship from Marine Biological Laboratories, Woods Hole, Mass. Neuroanatomy of Dragon-fly visual system.

Awarded National Science Foundation Research Grant, Proposal submitted by Dec. 1, 1976 Grant awarded for period 2-2 1/2 years starting Sept. 1, 1977 \$69,900, Anatomical Analysis of Synaptic Connectivity in Visual Pathways.

Herbert Lipke

### Publications

Calcium Flux in Dipteran Salivary Gland, J. Experimental Biology, in press.

Molecular Weight of arthropod chitin in the Arthropod Integument, Elsevier, 1976.





BIOLOGY CONTINUED 6

Herbert Lipke con't.

Continuing work

Heterogeneity of Integumental proteins, in preparation.

Sclerotization in Aedes aegyptii, in preparation.

Grants activities

NSF, Functional Group Sequestration in Dipteran Integument,  
\$31,000, 2 years.

NIH Sclerotin Precursors: \$194,000 to council Jan. 1978,

Department of Defense; mode of action of 2,6 di alkyl phenols,  
(with J.P. Anselme) \$94,000 to council Jan. 1978.

David Policansky

Publications

The cost of sexual reproduction in the mayapple. Ecology, in press.

The winter of 1976-77 and the prediction of unlikely weather, Bulletin of American Meteorological Society, in press.

Genetic differences between the sex ratio and standard gene arrangements of the X chromosome in Drosophila persimilis. Genetics, March 1977.

Continuing work

Modifiers and the Evolution of Sex Ratio in Drosophila pseudoobscura, in preparation.

Hormone induced spawning of dextral and sinistral starry flounder (Platichthys stellatus) and rearing of the larvae in the laboratory, in preparation.

The costs of precocious sexual reproduction in the mayapple, in preparation.

Sexual vs. asexual reproduction in mayapples; reproductive values of male and female jack-in-the-pulpit and genetics of asymmetry in flatfish; sex-ratio in Drosophila pseudoobscura.

Michael A. Rex

Publications

Biological accommodation in the deep-sea benthos: Comparative evidence on the importance of predation and productivity. Deep-Sea Research 1976 23:975-987.



## BIOLOGY CONTINUED 7

Michael Rex con't.

### Publications

Zonation in deep-sea gastropods: The importance of biological interactions to rates of zonation. 11th European Symposium on Marine Biology, in press, 1977.

Reproductive pattern in the abyssal snail Benthonella tenella (Jeffreys). Baruch Symposium On Reproductive Ecology of Marine Invertebrates, in press, 1977.

r- and K- selection in a deep-sea gastropod. Kristineberg Centenary Symposium on Deep-Sea Faunas-History, Differentiation and Adaptation, in press, 1977

### Continuing work

Species diversity and zoogeography of gastropods from four deep-sea transects in the Atlantic Ocean, in preparation.

The distribution of the deep-sea snail Omalogyra planoribis in the Atlantic Ocean, in preparation.

Processes of stepping-stone colonization: An experimental approach using freshwater protozoa, in preparation.

Population differentiation In the deep-sea: - Geographic variation in the abyssal snail Adeorbis umbilicatus, in preparation.

### Grants Activities

National Science Foundation Grant, "Geographic Variation in Deep-Sea Gastropods" (OCE77-05700), \$19,700, Funded in June, 1977 2 years, 6/1/77-11/30/79.

### Presentations

Paper presented at meeting of Joint Oceanographic Assembly, Edinburgh, Scotland, 1976.

Paper presented, 11th European Symposium on Marine Biology, Galway, Ireland.

Organizer of meeting along with three other oceanographers (J.F. Grassle, R.R. Hessler and H.L. Sanders) and also presented a paper, Symposium On Deep Sea Benthos, Woods Hole Oceanographic Institution, Woods Hole Massachusetts.

The Deep-Sea-Ecology and Exploitations, sponsored by the Marcus Wallenberg Foundation for International Cooperation in Science. Stockholm, Sweden.

The Kristineberg Centenary Symposium On Deep-Sea-History Differentiation and Adaptation. Sponsored by the Royal Swedish Academy of Sciences. Kristineberg Marine Biological Station, Sweden. Paper presented.



## BIOLOGY CONTINUED 8

Ruth E. Schmitter

### Publication

Autoradiography for light and electron microscopy. In the Handbook of Phycology, III, Developmental and Cytological Methods, ed. Cambridge University Press.

### Continuing Work

Experiments concerned with nitrogen metabolism in two species of marine dinoflagellate, Gonyaulax polyedra and Gonyaulax tamarensis. Columns for routine assay of nitrate nitrogen in sea water were also set up.

Studies on cyst formation in both Gonyaulax species were made in culture, and cyst bearing sediments on the Cape Ann area were identified.

### Presentations

Biology Colloquium, Rensselaer Polytechnic Institute.

Guest Lecture, Brown University, Biomed. 103-Plant Cell Biology.  
December 9, 1976

Hiawatha Nature Study Society, Engadine, Mich. "Microstructure of some common woodland plants, Aug. 17, 1977."

### Consultantships/editorial service

Reviewed grant proposals for National Science Foundation.

Reviewed book proposals for Academic Press.

Karlene Swartz

### Continuing Work

The computer-based access system for non-print teaching materials has been expanded. Eight hundred color transparencies and photographs of living organisms, habitats, and a variety of additional biological subjects have been added to the 1976 inventory, with totalled ca.100 slides. Selected transparencies were used in three UMB Biology Department courses during the 1976-1977 academic year.

Book Manuscript: The Kinds of Life on Earth: An Illustrated Guide to the Phyla of the Five Kingdoms. Department of Biology, Boston University, in preparation.

Bibliography of Edible Wild Plants of the United States and Canada compiled. Submitted for publication.





## BIOLOGY CONTINUED 9

Edna Seaman

### Continuing Work

Work on the enzyme RNA polymerase. RNase pol was isolated for E. coli and T<sub>4</sub> infected E. coli. The enzymes were purified to a high state of purity as ascertained by gel electrophoresis. The intactness of the complex polymeric enzyme was ascertained by the relative proportion of the component subunits. In vitro transcriptions using phage T<sub>4</sub> DNA were made using the two enzyme preparations and were analyzed by gel electrophoresis of the RNA product followed by autoradiography of the labelled RNA.

Harland E. Sheerin

### Publications

Ileal mucosal cyclic AMP and chloride secretion: serosal vs. mucosal addition of cholera toxin. Am.J.Physiol. 232, E210-E215, 1977.

### Continuing work

Ongoing studies on serotonin in the small intestine. Data on the effects of serotonin on ion transport and short-circuit current in rabbit small intestine (experiments performed mainly during the summer months) are presently being analyzed with a paper now entering rough draft stage.

### Grants Activities

UMB Faculty Development Grant.

Claire Van Ummersen

### Publications

Reproductive Pattern in the Abyssal Snail Benthonella Tenella, in press.

### Consultantships/editorial service

Reviewed and evaluated two proposals for NSF, one for Engineering Division, the other for Biochemistry Section.

Garrison H. Wilkes

### Grants Activities

Research under NSF Grant 5-22920.



BIOLOGY CONTINUED 10

Presentations

Harvard University lecture in Economic Botany.

Consultantships/editorial service

Book review for Economic Botany on Corn: Improvement, Seed Production and Uses. R. Jugenheimer, Wiley Interscience.

Reviewed several NSF proposals in systematic and evolutionary biology, several journal articles (on maize notably) and two reports of the MRC.

Editorial Board of the Journal of Economic Botany.

Consulting editor to Horticulture.

Richard H. White

Publications

Insect Visual Pigments, Advances in Insect Physiology, 1977  
13, 35-67.

Grants activities

Assembly and Degradation of Photoreceptor Membrane. National Science Foundation: \$63,300. for 2 years and supplement of \$13,375.



## CHEMISTRY 1

J. S. Alper

### Publications

"Classical Treatment of Rotational Relaxation in He-H<sub>2</sub> at Low Temperatures," Chem. Phys., 17, 487 (1976).

"Reaction Probability and Energy Transfer in Collisions of Sodium Atoms and Sodium Dimers" Chem. Phys., 19, 387 (1977).

"Biological Determinism," Telos, #31 (Spring 1977), p.164.

J.S. Alper, J. Beckwith and L. Miller, "Sociobiology is a Political Issue,": in The Sociobiology Controversy, ed. A. Caplan, (Harper & Row, N.Y., 1978), in press.

### Continuing work

Rotational Cross Sections in HF-HF Collisions, in preparation.

Kinetics of the reaction  $N + O_2 \rightarrow NO + O$ , in preparation.

E. I. Becker

### Publication

Organometallic Reactions and Syntheses, Vol. 6 completed and in press.

### Continuing work

Chemistry of cyclones

### Grants activities

Dutch Elm Disease - Research Corporation Grant - \$16,400.

### Consultantships/editorial service

Textbook consulting - Two publishing houses.

Hexagon Laboratories, Inc. A member of the Chemical Group of Boehringer-Ingelheim.

R. L. Carter

### Publications

"Ammonium Selenate," Acta Cryst., B33, 592 (1977).

J. Chem. Educ., 54, A128, review of "Fundamentals of Inorganic Chemistry" by Ayllet and Billing.





## CHEMISTRY 2

### Continuing work

Structural studies of  $(\text{NH}_4)_2\text{SeO}_4$ ,  $\text{NH}_4\text{HSeO}_4$ , and related compounds by Raman spectroscopy and crystallography.

### Grants activities

Faculty Development Grant (\$500) "Investigationz of Ammonium Salts of Oxyanions" 6/1/77 - 6/1/78.

K. F. Cerny

### Continuing work

Research is continuing on a mechanism study of the formation of azides from the reactions of thionyl chloride with N-nitrosohydrazines and nitrosyl chloride with N-salfinylhydrazines.

R. I. Gelb

### Publications

Aqueous Dissociation of Dihydroxycyclopropenone (Deltic Acid), J. Chem. Soc., Perkins Transactions II, 930 (1976).

The Structure of Aqueous Croconic Acid, J. Phys. Chem., 81, 1263 (1977).

Daniel A. Laufer

### Publications

J. Phys. Chem., 81, 1268 (1977) "The Structure of Aqueous Croconic Acid"

### Presentations

UMB, Dept. of Chem, Colloquium, 10/6/76, "Carbon-13 Nuclear Magnetic Studies of Molecular and Submolecular Interactions."

Harvard Medical School, Seminar, October 1976, "Carbon-13 Nuclear Magnetic Studies of Molecular and Submolecular Interactions."

Amherst College, Colloquium, May 1976 "Complexation of 4-Biphenylcarboxylate by Cyclohexaamylose: A Conductometric and CNR Spectrometric Analysis".



## CHEMISTRY 3

T. N. Margulis

### Publications

"X-ray Analysis of Sulfur Containing Colchicine Derivatives," Journal of Pharmaceutical Sciences, 66, 1127-1131 (1977).

T. N. Margulis, "Structure of the Iso Form of Colchicine. Demethylisothiocolchicine," Biochem. & Biophysical Research Comm., 76, 1293-1298 (1977)

R. L. Carter, C. Koerntgen and T. N. Margulis, 'Ammonium Selenate," Acta Cryst., B33, 592-593 (1977).

Lowell M. Schwartz

### Publications

"The Structure of Croconic Acid," J. Phys. Chem., 81, 1263-1274 (1977).

"Nonlinear Calibration Curves," Analytical Chemistry 48, 2287-2289 (1977).

Hans Van Willigen

### Publications

"A High Resolution  $^2\text{H}$  NMR Study of Ammonium Oxalate Hemihydrate Single Crystals" J. Chem. Phys., 67, 917-924 (1977).

" $^{13}\text{C}$  -  $^{13}\text{C}$  Dipolar Spectra in Solids", J. Chem. Phys., in press.

Complexes Produced in Electrochemical and Chemical Reduction of Cyclopentadienyl -Cobalt- and -Rhodium-Cyclopentadienone Complexes," Inorg. Chem., 16, 581-584 (1977).

### Continuing work

Work as staff scientist with the molecular biophysics group at the Francis Bitter National Magnet Laboratory of M.I.T. Research was performed in the area of the application of pulsed NMR techniques in the elucidation of the structure of molecules, crystals and membranes.

"The Mechanism of Excimer Formation in Triplet-Triplet Annihilation" under submission, Chem. Phys. Letters.

Results of ENDOR and TRIPLE resonance studies of bi- and triradicals have been summarized by Dr. B. Kirste, in Berlin, in his PH.D. thesis. Work on a manuscript is progressing.



## CHEMISTRY 4

### Presentations

Presented a paper on magnetic field effects on triplet-triplet annihilation at the meeting of the American Chemical Society in San Francisco (Sept. 76)

Presented a paper entitled "High Resolution  $^2\text{H}$  NMR in Single Crystals of  $\text{NH}_4\text{HC}_2\text{O}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ " at VI International Symposium on Magnetic Resonance in Banff (Alberta, May 77)

### Consultantships/editorial service

Served as referee of papers submitted to the Journal of Physical Chemistry.

Served as consultant to Benjamin, Inc.

Chi-Hua Wang

### Continuing work

In the summer of 1977, travelled to the People's Republic of China and conferred with Scientists from the Chinese Academy of Science and Institute of Materia Medica on problems of Chemical Science development in China and on topics of theoretical Organic Chemistry, in particular on the mechanism of redox reactions as a means of generating free radicals as initiator of vinyl-polymerization and on the problem of model reaction of biological oxidation-reductions. Future correspondence with them will be continued.

Continue the work of formulation of a new mechanism for the formation of piperidine-1-oxyls.

### Consultantships/editorial service

Consultant to A.D. Little, Inc., on free radical chemical reactions.

Elliot M. Weinstock

### Publications

"A Laser Fluorescence Study of the  $\text{IBr B'O}^+ - \text{X'E}^+$  System", Journal of Molecular Spectroscopy, In press.

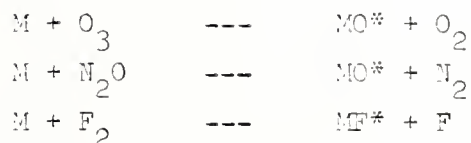
### Continuing work

In collaboration with Professor James Gole of the M.I.T. Chemistry Department, the investigation of the following chemiluminescent reaction took place.





## CHEMISTRY 5



where M is either the Ge or Si metal atom. Theoretical analysis of these reactions is continuing.

L. J. Zompa

### Publications

Cyclic Effects with Medium Ring Triamines. Enthalpy and Entropy Contributions to the Solution Stability of Copper (II) Complexes with 1,4,7- Triazacyclononane, Inorg. Nucl. Chem. Letters, 13, 289 (1977).

The Synthesis of 1,1,1.-Tris(amino methyl)ethane-N,N',N'' Triacetic Acid and A Study of the Stability and Spectroscopic Properties of Several of its Metal Complexes, in press.

### Continuing work

Metal Complexes of Cyclic Amines

Complex Equilibria of Stereospecific Amino Acids.

### Grants activities

ACS-PRF Grant Funded (\$11,000.) "Metal Complexes of Cyclic Amines" 1977-9.



CHINESE

sabelle Ping-i Mao

Publication

"Intermediate Reader for Modern Chinese", published by Far Eastern Publications of Yale University.

Consultantships/editorial service

In August 1977, submitted a research statement on study in Chinese fiction to the Fairbank Center of East Asian Research of Harvard University and was made an Associate in Research of the Center.



## CLASSICS

Emily A. McDermott

### Publication

"Horatius Callidus" (18pp.), American Journal of Philology,  
November, 1977.

### Continuing Work

"Horace, Maecenas, and Odes 2.17" (a MSS of approx. 30pp., in preparation).  
Revision of one dissertation chapter for publication in article form.

### Publications

"Convention and Occasion in Isthmian 2" California Studies in Classical Antiquity, in press.

"The Leaves of Triumph and Mortality: Transformation of a Traditional Image in Pindar's Olympian 12" Transactions of the American Philological Association, in press.

### Continuing Work

Contract awarded by the Johns Hopkins University Press for publication of translations of all Pindar's odes, with a general introduction, prefaces to each ode, and a glossary. This work is now approximately two-thirds complete, and should be finished by 1 Sept. 1978.





## ECONOMICS

James T. Campen

### Publications

Completed doctoral dissertation entitled, Public Expenditure Analysis: A Critical Analysis of Current Theory and Practice, Together with Some Contributions Toward a Participatory Alternative; November, 1976.

### Continuing work

Worked as active member of the editorial collective of Dollars & Sense: A Monthly Bulletin of Economics Affairs; was centrally involved in researching, writing, and editing several articles published in that magazine.

### Consultantship/editorial service

Served as research director for the Special Commission on State Investment from March 1 to June 30. Wrote extensive report for the Commission entitled A Linked Deposit System for Massachusetts? -- Information, Issues, & Analysis. Also, drafted the final report of the Commission.

Eric Chester

### Publications

"The Social and Economic Determinants of Non-Military Public Spending", Public Finance, in press.

### Continuing work

"The Economic Implications of Military Spending", in progress.

Continued to pursue interests in the social and economic factors underlying government spending by looking at social service expenditures, and have now moved toward analyzing military spending from a macroeconomic perspective.

Louis Esposito

### Publications

"Aggregation and the Concentration- Profitability Relationship", Southern Economic Journal, (October, 1977), in press.

### Consultantship/editorial service

Referee- Review of Economics and Statistics



## ECONOMICS CONTINUED 2

Monique P. Garrity

### Publications

"The Implications of the Enlargement of the EEC for African Trade and Development", in Andrew F. Brimmer (ed.) ECONOMIC DEVELOPMENT: INTERNATIONAL AND AFRICAN PERSPECTIVES (Wash: Associated Publishers, 1976) pp. 73-88.

"The Assembly Industries in Haiti: Causes and Effects", in press.

"The Lome Convention" co. cit. REVIEW OF BLACK POLITICAL ECONOMY, in press.

### Continuing work

"ArabAid to Africa"

"Nationalization Experiences of African Countries"

"The Impact of Famine, resettlement and war on the Status and Role of African Women".

Multidisciplinary research project--members of a team of ten researchers: 5 American and 5 African.

### Presentations

"Notes on ArabAid to Africa" African Studies Association, 19th Annual meeting. Boston, November 5, 1976.

"The Lome Convention: Implications for African Trade and Development", MIT Black Economics Graduate Students.

Discussant: "Debate on Economic Dependency", other two dissussants: Patrick McGowan, USC and Ann Seidman, ASA, 19th Annual Convention, Boston, November 5, 1976.

Arthur MacEwan

### Publications

"Capitalist Expansion and the Sources of Imperialism", which appears in R.C. Edwards et al, eds., The Capitalist System, 2nd Edition, Prentice-Hall, Inc., 1978.

"Crisis Abroad and Crisis at Home", Union for Radical Political Economics, in press.

### Continuing work

Preparation of a report on Agriculture and Development in Cuba for the International Labor Office. (I.L.O.) The first draft of the bulk of this report was presented to the I.L.O. in June. The I.L.O. is making arrangements with a private publisher for the report to be published as a book sometime in 1978.



### ECONOMICS CONTINUED 3

Daniel A. Primont

#### Publications

Duality, Separability, and Functional Structure: Theory and Economic Applications, (with C. Blackorby and R.R. Russell), New York: North Holland/American Elsevier, in press.

Salvatore Schiavo-Campo

#### Publications

International Economics: Theory and Policy (Cambridge, Mass; Winthrop Publishers), 1978; xvi, 391 pages, in press.

"The Simple Measurement of Structural Change: A Note", Economic Record, in press.

#### Continuing work

"Instability of Development Imports and Economic Growth: Some Theoretical and Methodological Considerations", submitted for publication.

"Limited Factor Substitutability, Unemployment, and Non-Saving Constraints on Economic Growth", submitted for publication.

"The Structure, Direction, and Stability of Foreign Trade of Selected Pacific Countries".

"Planning in Land-Surplus Economics: A Theoretical Framework".

"Food Imports and Balance-of-Payments Problems of Fiji and the Samoas"

#### Presentations

"The Applicability of Development Planning Models to Small Island Economics", paper presented at the South Pacific Commission Conference on Economic Planning, October 24-28, 1977.

Public Lecture, "Recent Developments in International Financial Negotiations", Fiji Economics Association, Suva, August, 1977.

Public Lecture, "Export Instability and Economic Development", Nelson Memorial, Apia, Western Samoa, July, 1977.

Chairman, Workshop on Manpower Planning, Fourth Asian Regional Training and Development Conference, Suva, September 23-28, 1977.

Invited participant, Conference on Adaptation of Traditional Agricultural Systems, Guadalcanal, Solomon Islands, October 3-7, 1977.

Mary H. Stevenson

#### Continuing work





## ECONOMICS CONTINUED 4

Study of internal labor markets and the employment of women in complex organizations, Center for Research on Women, Wellesley College.

Study of the AFDC-UF (aid to Families with Dependent Children --Unemployed Fathers segment) program, Social Welfare Regional Research Institute, Boston College.

### Presentations

"Some Thoughts on Welfare Reform", Paper presented at Dept. of Health, Education & Welfare Region I Conference on Welfare Reform, March 16, 1977.

Guest speaker, Center for Research on Women Lecture Series, Wellesley College, February 1977. topic: "Internal Labor Markets and the Employment of Women in Complex Organizations".

### Consultantships/editorial service

Consultant to U.S. Commission on Civil Rights, 2 projects on labor market problems of women workers.

Harold Wolozin

### Publications

"Institutionalism and the Image of Man", in Economics in Institutional Perspective, Lexington Books, 1977.

"The Value of Volunteer Services in the United States", ACTION, Washington D.C., 1976.

### Presentations

"The Economics of Clarence Ayers and the Mainstream of Institutional Economics", presented at the History of Economics Conference. University of California, Riverside, March, 1977.

On Environment: Copley Square, High School

On Economics of Volunteerism: Holy Cross College



## ENGLISH

Donald Babcock

### Continuing work

On unpublished work of Edward Albee.

Ann Berthoff

### Publications

Forming/Thinking/Writing: The Composing Imagination--Hayden Book Company, January, in press.

"Towards a Pedagogy of Knowing" will appear in Freshman English News, in press.

"Tolstoy, Vygotsky, and The Making of Meaning", College Composition and Communication, in press.

### Continuing work

Essay on the interpretation of metaphor and the problem of establishing context.

### Presentations

"Marvell's Stars, Chekhov's Pipe, and Schubert's Suns", UMB English Colloquium.

Joel Blair

### Publications

"Hogarth's Comic/History-Painting and the Satiric Spectrum", Genre, Summer, 1976.

"Was Hogarth a Painter--A Satirist and his Critics", Enlightenment Essays, in press.

"Essential Studies in Restoration Prose: Four Men of Letters and Affairs", Restoration, in press.

### Presentations

"The Issue of the Comic in Dryden's Heroic Plays", paper presented at the 1978 convention of the Northeast Modern Language Association.



ENGLISH CONTINUED 2

Charles Bowen

Publications

"Notes on the Middle Irish Word for Mermaid", Eriu, in press.

Continuing work

Edition of the Munster portion of the Dindshenchas.

Neal Bruss

Publications

Edition of V.N. Voloshinov's Freudianism, Academic Press, co-editor, 1978.

"The Transformation in Freud", Semiotica, Winter, 1976.

Continuing work

The Heart of Writing, an advanced sourcebook on expository writing published in 200 copies by the College of Professional Studies for use in courses during the 1976-77 academic year, was so used and is under revision, based on that experience, for commercial publication.

Major survey on semiotics, the study of all communications systems.

Presentations

"Variable Rules in Linguistics", presented to the Linguistic Circle of the University of Massachusetts in March.

Josephine Bunselmeyer

Publications

"Appearances and Verbal Paradox: Sonnets 129 and 138", Shakespeare Quarterly, XXV, Winter, 1974.

Continuing work

"Classical Heroism and Shakespeare's Tragic Heroes".

"The Origins of Shakespeare's Tragedies: A Pattern of Changes from the Sources".

"Practical Stylistics: Linguistics and Literary Criticism".

Stylistics in Practice, a book intended for use by English instructors, which explains the relevance of each school of linguistics to literary criticism.





ENGLISH CONTINUED 3

Poetry as Process: Poetic Modes and American Poetry, a book which examines the syntax patterns of major American poets (Whitman, Dickinson, Eliot, Frost, Stevens, and Williams among others).

"Styles of the Past", an article which examines the ways in which modern American novelists are turning to syntactic styles of the past.

Robert Crossley

Publications

"Culture and Controversy: A Diagnosis", The Massachusetts Review, 17, Autumn, 1976, 405-428.

"Poe's Closet Monologues", Genre, 10, Summer, 1977, 215-232.

"Pope's Iliad: The Commentary and the Translation", Philological Quarterly, in press.

Continuing work

"The Failed Educations of John Stuart Mill and Henry Adams".

Linda Dittmar

Continuing work

Revision of article, "Structures of Metaphor in Robbe-Grillet's Last Year in Marienbad".

"Apparent Simultaneity as a Generative Force in the Novel and Film".  
(Manuscript)

Work on a projected book on modern fiction.

Albert J. Diwver

Continuing work

Research in Classical Languages and Linguistics.

Harriet Feinberg

Continuing work

Work during the summer on a book about teacher training.



ENGLISH CONTINUED 4

Presentations

Facilitator, Boston Regional Ethnic Heritage Conference, UMass/Boston, February 21, 1977.

Paper, "Perceptions of Jewish and non-Jewish students of Jews in Media", delivered at the Worcester Regional Ethnic Heritage Conference, Holy Cross College, April 26, 1977.

Lecture, "Women on the Lower East Side", delivered at Temple Emunah, Lexington, February 14, 1977.

Mary Anne Ferguson

Publications

"Images of Women in Literature", 2nd edition, Boston, Houghton Mifflin.

Continuing work

Wrote drafts of an article on Sherwood Anderson (20th cen. American).

Consultantships/editorial service

Work on the Editorial Board of the Works of Ralph Waldo Emerson, helping to organize and supervise the continuing work. Vol. II was submitted to the Harvard Press in Summer, 1977.

Read and evaluated for the National Endowment for the Humanities two proposals for course Development grants.

Read and evaluated for Houghton Mifflin three Manuscripts on women's studies.

Kenneth Frederick

Continuing work

Rewrote portions of my first novel, Small Dreams.

Wrote a second novel tentatively called Second Lives.

Wrote first chapter of a third novel entitled The Holy Places.

Christopher Gay

Continuing work

Completed a journal-length article entitled "Defoe's Journal of the Plague Year and the Rhetoric of Statistical Enumeration".



Grants Activities

Awarded a Faculty Development Grant (\$900) for a study of Daniel Defoe's novel A Journal of the Plague Year.

Consultantships/editorial service

Participated in a panel discussion entitled "American Literature for International Students" at the 1977 Spring Conference of the Massachusetts Association of Bilingual Educators (MABE) and the Massachusetts Association of Teachers of Speakers of Other Languages (MATSOL), Cambridge, Mass., March 18-19, 1977.

Edwin Gittleman

Publications

"Jefferson's 'Slave Narrative': The Declaration of Independence as a Literary Text", in The Literature of the American Revolution, Special Bicentennial Issue of Early American Literature (1976), pp. 3-20.

Above essay was discussed by participants in the October 1976 Salem Conference on the literature of the American Revolution, and the December 1976 Williamsburg Conference on the same subject. It has also been favorably reported on in American Literary Studies (1974), and favorably commented on in American Literature, 1764-1789: The Revolutionary Years, ed. E. Emerson, U. of Wisconsin, 1977.

Continuing work

Crevecoeur project, focusing on Letter IX of Letters From an American Farmer (utilizing the methodology employed for the Jefferson essay).

1831 Nat Turner Confessions Project and re-examination of certain 18th-Century texts, including John Woolman's Journal and poems of Phillis Wheatley, as part of continuing scholarly interest in the Black Presence in American Literature.

Lee Grove

Publications

The Real Paper: "The Man with the Brandy Alexander", "Christmas Book Quarterly", "The Slow Death of a Night Owl", "Under the Philistine Tree", "Destination Drive-In", "Summer Schlock", "Saxy", "Deadwood", "Ah, Sour Mysteries",

Continuing work

Book of collected non-fictional pieces.





Completed half a film-script.

Consultantships/editorial service

Book reviews in The Globe for The Company of Friends, Cole Porter, Dreaming in Babylon, Jessica Fayer, others.

Francis R. Hart

Publications

The Scottish Novel: From Smollett to Spark, in press.

"Fictions of Authority: Narrative Closure in the Historic World of Waverleys", NCF, 1977-78.

Short articles commissioned, written, and submitted to Reader's Encyclopedia of English Literature, on the Kailyard School, George Douglas Brown, Jane Porter, and Norman McCaig--publication date uncertain.

Presentations

Lecture, "Memoir and Personal History", invited by University of Iowa for April, 1978.

Consultantships/editorial service

Member, M.I.T. Seminar in Literary Studies (continuing).

Member, Editorial Board, New Literary History.

Alan Helms

Publications

"Two Poets", a review of Robert Bly's Sleepers Joining Hands and Galway Kinnell's The Avenue Bearing the Initials of Christ Into the New World and The Book of Nightmares, Partisan Review, 1977, 284-293.

"Intricate Song's Lost Measure". Sewanee Review, in press.

Continuing work

"Writing Hurt: The Poetry of Richard Hugo", Modern Poetry Studies, in process.

"Wordsworth's Exclamations"



ENGLISH CONTINUED 7

Susan Horton

Publications

"Desire and Depression in Women's Fiction: The Problematics and the Economics of Desire", Modern Fiction Studies, in press.

"The Experience of Stanley Fish's Prose: The Critic as Self-Creating, Self-Consuming Artificer", GENRE, Fall, 1977.

"Grantee's Report" for the American Philosophical Society Yearbook, April, 1977.

Grants Activities

Faculty Research Grant from UMass, to travel to London to complete research for book, entitled The Reader in the Dickens World: Style and Response.

Presentations

Presentation to UMB tutors of Freshman Writing on "The Rhetorical Sentence Form as Heuristic Device".

Linda Hunt

Continuing work

Wrote an article entitled "Charlotte Bronte and Women's Culture".

Presentations

Presentation on "Charlotte Bronte and Middle Class Women's Culture" as part of the UMB English Department's Colloquium series.

Seymour Katz

Continuing work

Work on the chapter on The Blithedale Romance which will form part of a book which now has the working title, The Logic of Hawthorne's Fiction.

Charles Knight

Publications

The Writer as Hero in Johnson's Periodical Essays, Papers on Language and Literature, 13, Summer, 1977, 238-250.



Continuing work

Narrative Structure and the Corrupt Society of Fielding's Amelia, in press.

The Created World of the Edinburgh Periodicals, Mirror and Lounger, in preparation.

Tom Jones: the Meaning of the 'Main Design'.

Fielding and Aristophanes: Politics and the Comic 'Genius'.

A note on Fielding's Amelia.

Consultantships/editorial service

Referreed four articles - primarily on Rochester - for Studies in Eighteenth-Century Culture.

Elliot Krieger

Publications

"The Dialectics of Shakespeare's Comedies", Minnesota Review, 7, Fall 1976, 83-89.

Continuing work

"Cain and the Jews in the Mystery Plays", in process.

Manuscript on Shakespeare's comedies, in process.

Joan Lidoff

Publications

"The Female Ego: Christina Stead's Heroines", New Boston Review, January, 1977.

Continuing work

"Domestic Gothic: The Imagery of Anger"

"Family Fictions: Christina Stead's The Man Who Loved Children"

Obscure Griefs: The Fiction of Christina Stead, in preparation.

Presentations

Domestic Gothic: The Imagery of Anger, Paper for 1977 MLA.

Home is Where the Heart Is: The Fiction of Christina Stead, paper for 1977 MLA.





ENGLISH CONTINUED 9

Richard Lyons

Publications

The Intellectual Structure of Virginia Woolf: Between The Acts, appeared in Modern Language Quarterly, XXXVII, June, 1977, 149-166.

Continuing work

Projected book on Pater, James and Virginia Woolf.

John Marvin

Publications

Review- of Max Frish: Sketchbook, Library Journal, April 1, 1977.

Review- of The Art of Life, Blasing, Muttu Knouk. Library Journal, April 12, 1977.

Review- of Eliot's Early Years, Gordon, Lyndall. Library Journal, January 1, 1977.

Review- of The Marble Foot: An Autobiography. Quennel, February 15, 1977.

Continuing work

Work on study of America 1876 to 1970, a fictional biography-autobiography.

Louise Dunlap Mendillo

Publications

Vegetation Puns in Pearl, Mediaevalia III, 1977.

Continuing work

Rewriting of two chapters in Word Play in Pearl (manuscript is with University of California Press).

"Pre-compositional Structures: A Visual Presentation of Abstract/Concrete Patterning".

"A New View on the 'New Journalism'"; an introduction to a collection of student writing for use in the University and for publication.

"Composing with Thesis: A Workable Perspective on Freshman Writing".

"Dialectical Thinking: A Writing Assignment for Freshmen".

Presentations

Vegetation Puns in Pearl paper delivered at CEMERS conference on "Nature in the Middle Ages", Binghamton, N.Y., October 22, 1976 and English Department



Colloquium Series, Harbor Campus, October 27, 1976.

Paper read at Women's Studies Colloquium, Harbor Campus, November 17, 1976:  
"Myth and Method; A Navaho Separation Myth and Its Interpreters."

Proserpina in Hades: A Message for Hawthorne's Daughters, Women's Studies  
Faculty Evening Colloquium, July 27, 1976.

Shaun O'Connell

Publications

"'75 Series: It Still Hurts". New England (March 21, 1976), pp. 22-23,  
34-37.

"American Fiction, 1975: Celebration in Wonderland". The Massachusetts  
Review, Vol. XVII, No. 1 (Spring, 1976), pp. 165-194.

"Irish I", The Recorder (The American Irish Historical Society), Vol. 37,  
(1976), pp. 114-126.

Review: Oscar Wilde, by H. Montgomery Hyde. Boston Sunday Globe (January  
4, 1976), p. A-20.

Review: The Giants, by J.M.G. LeClezio. Boston Sunday Globe (January 25,  
1976), p. A-15.

Review: James Joyce: A Portrait of the Artist, by Stan Gebler Davies.  
Boston Sunday Globe (February 1, 1976), p. A-16.

Review: Foreign Affairs and Other Stories, by Sean O'Faolain. Boston  
Sunday Globe (February 8, 1976), p. A-15.

Review: Seventy Years: 1852-1922, by Lady Gregory. Boston Sunday Globe  
(February 22, 1976), p. 63.

Review: I Can't Stay Long, by Laurie Lee. Boston Globe (February 25, 1976)  
p. 27.

Review: The Adams Chronicles, by Jack Shepherd. Boston Sunday Globe  
(February 29, 1976), p. B-10.

Review: The Boys From Brazil, by Ira Levin. Boston Globe (March 11, 1976),  
p. 18, "Calendar".

Review: Stories and Plays, by Flann O'Brien. Boston Sunday Globe (March  
14, 1976), p. A-16.

Review: The Olive of Minerva or the Comedy of A Cuckold, by Edward Dahlberg.  
Boston Sunday Globe (March 28, 1976), p. A-16.

Review: A Prince of Our Disorder: The Life of T.E. Lawrence, by John E.  
Mack. Boston Sunday Globe (April 4, 1976), p. A-22.

Review: A Georgian At Princeton, by Robert Manson Myers. Boston Sunday  
Globe (April 25, 1976), p. 81.

Review: Details of A Sunset, by Vladimir Nabokov. Boston Sunday Globe  
(May 2, 1976), p. A-17.



Review: Doctor Rat, by William Kotzwinkle. Boston Sunday Globe (May 2, 1976), p. 81.

Review: Sweet William, by Beryl Bainbridge. Boston Sunday Globe (May 27, 1976), p. 19, "Calendar".

Review: Getting Into Death, by Thomas M. Disch. Boston Sunday Globe (May 30, 1976), p. A-14.

Review: Bloodbrothers, by Richard Price. Boston Sunday Globe (May 30, 1976), p. A-15.

Review: Shakespeare and the Revolution of the Times, by Harry Levin. Boston Sunday Globe (June 6, 1976), p. A-23.

Review: The Joy of Sports, by Michael Novak. Boston Sunday Globe (June 20, 1976), p. A-16.

Review: The Immortal Profession, by Gilbert Highet. Boston Sunday Globe (June 27, 1976, p. A-24.

Review: Ratner's Star, by Don DeLillo. Boston Sunday Globe (July 4, 1976), p. A-16.

Review: Some Time In The Sun, by Tom Dardis. Boston Sunday Globe (July 18, 1976), p. A-14.

Review: Life On The Run, by Bill Bradley. Boston Sunday Globe (August 1, 1976), p. A-15.

Review: The 400 Eels of Sigmund Freud, by A.G. Mojtai. Boston Sunday Globe (August 8, 1976), p. A-15.

Review: The Circuit, by Ralph M. Demers. Boston Sunday Globe (August 15, 1976), p. A-12.

Review: Mom, The Flag, and Apple Pie, compiled by the Editors of Esquire. Boston Globe (August 29, 1976), p. 14. "Calendar".

Review: Bottom Dogs, From Flushing to Calvary, Those Who Perish, by Edward Dahlberg. Boston Sunday Globe (September 5, 1976), p. A-13.

Review: The Easter Parade, by Richard Yates. Boston Sunday Globe (September 12, 1976), p. A-21.

Review: Slapstick, by Kurt Vonnegut. Boston Sunday Globe (September 26, 1976), p. B-7.

Review: Klynt's Law, by Elliot Baker. Boston Sunday Globe (October 10, 1976), p. 53.

Review: Farmer, by Jim Harrison. Boston Sunday Globe (October 10, 1976), p. 53.

Review: The Takeover, by Muriel Spark. Boston Sunday Globe (October 17, 1976), p. A-15.

Review: The Dunne Family, by James T. Farrell. Boston Sunday Globe (October 24, 1976), p. A-8.





Review: Genius and Lust: A Journey Through the Major Writings of Henry Miller, by Norman Mailer. Boston Sunday Globe (November 14, 1976), p. A-14.

Review: Flight to Canada, by Ishmael Reed. Boston Sunday Globe (November 14, 1976), p. A-16.

Review: The Ballconist, by MacDonald Harris. Boston Sunday Globe (December 5, 1976), p. B-8.

Review: A Civil Tongue, by Edwin Newman. Boston Sunday Globe (December 12, 1976), p. A-20.

Review: Responses: Prose Pieces, 1953-1976, by Richard Wilbur. Boston Sunday Globe (December 19, 1976), p. A-20.

"Pedding the Burbs". New England (March 20, 1977), pp. 28,30,30-34, 36.

"Zone of Remission: Current American Fiction". The Massachusetts Review, Vol. XVIII, No. 2 (Summer, 1977), pp. 357-372.

Review: Letters of E.B. White, collected and edited by Dorothy Lobrano Guth. Boston Sunday Globe (January 9, 1977), p. 100.

Review: A New History of Ireland: Early Modern Age, 1534-1691 (Vol. III), edited by T.W. Moody, F.X. Martin, F.J. Byrne; Enter the Irish-American, by Edward Wakin. Boston Sunday Globe (January 9, 1977), p. 101.

Review: Amateurs, by Donald Barthelme. Boston Sunday Globe (January 30, 1977), p. B-7.

Review: A Dream Journey, by James Hanley. Boston Sunday Globe (January 30, 1977), p. B-6.

Review: Yeats, by Frank Touhy & Maud Gonne, by Samuel Levenson. Boston Sunday Globe (February 13, 1977), p. B-7.

Review: Hondo: Man In Motion, by John Havlicek and Bob Ryan. Boston Globe (February 15, 1977), p. 14.

Review: Selected Letters of William Faulkner, edited by Joseph Blotner. Boston Sunday Globe (March 20, 1977), p. B-7.

Review: The Book of Irish Verse, edited by John Montague. Boston Sunday Globe (March 27, 1977), p.62.

Review: East Wind, Rain, by Richard Nash. Boston Sunday Globe (April 3, 1977), pp. A-15-16.

Review: The Girls From The Five Great Valleys, by Elizabeth Savage. Boston Sunday Globe (April 10, 1977), p. A-18.

Review: Squaring Off: Mailer Vs. Baldwin, by W.J. Weatherby. Boston Sunday Globe (April 17, 1977), p. A-18.

Review: Gates of Eden: American Culture in the Sixties, by Morris Dickstein. Boston Sunday Globe (April 24, 1977), p. B-7.

Review: A Feast of Words: The Triumph of Edith Wharton, by Cynthia Griffin Wolff. Boston Sunday Globe (May 8, 1977), p. B-7.



ENGLISH CONTINUED 13

- Review: Yellow Roses, by Elizabeth Cullinan. Boston Sunday Globe (May 22, 1977), p. A-18.
- Review: FROM THE GHETTO: THE FICTION OF ABRAHAM CAHAN, by Jules Chametzky. Boston Sunday Globe (May 29, 1977), p. A-15.
- Review: A SEASON IN THE SUN, by Roger Kahn & FIVE SEASONS: A BASEBALL COMPANION, by Roger Angell. Boston Sunday Globe (June 12, 1977), p. 70.
- Review: Fata Morgana, by William Kotzwinkle. Boston Sunday Globe (June 26, 1977), p. A-15.
- Review: Kramer's War, by Derek Robinson. Boston Sunday Globe. (July 10, 1977), p. A-14.
- Review: One More July, by George Plimpton. Boston Sunday Globe. (August 14, 1977), pp. A-14-15.
- Review: Ackroyd, by Jules Feiffer. Boston Globe. (August 25, 1977), "Calendar", p. 14.
- Review: No Big Deal, by Mark Fidrych and Tom Clark. Boston Sunday Globe. (August 28, 1977), p. A-14.
- Review: American Hunger, by Richard Wright. Boston Sunday Globe (September 4, 1977), p. A-10.
- Review: The Public Burning, by Robert Coover. Boston Sunday Globe (September 11, 1977), p. 54.
- Review: ESSAYS OF E.B. WHITE, by E.B. White. Boston Sunday Globe (September 25, 1977), p. 54.
- Review: Our Like Will Not Be There Again: Notes From the West of Ireland, by Lawrence Millman (October 2, 1977), p. E-23. Boston Sunday Globe

Theodore Richer

Continuing work

Years Ago (A full length Play).

"My Fortune" (A Story).

Grants Activities

One of eight finalists, playwriting, Massachusetts Arts and Humanities Foundation, Artists Fellowship Program.

Lois Rudnick

Continuing work

A biocritical essay on Mabel Dodge Luhan for the Harvard Dictionary of



Notable American Women, in process.

"Mabel Dodge Luhan and the Robinson Jefferses", The Robinson Jeffers Newsletter, in process.

Alvan S. Ryan

Publications

Orestes Brownson: His Significance for American Democracy Today, in process.

Continuing work

Corresponded with Arno Press and Macmillan on new reprint edition of Brownson Reader, originally published in 1955.

Presentations

Paper at Brownson Centennial Symposium, Fordham University, New York, November 5-6, 1976.

Ronald Schreiber

Publications

Review: Gay American History: Lesbians & Gay Men in the USA; A Documentary by Jonathan Katz. GCN (Gay Community News), IV:32 (February 5, 1977), pp. 8-9.

"waiting for a kingfisher", Hanging Loose 27 (Summer, 1976).

"emptying my pockets", Dark Horse 9 (Fall, 1976).

"letter to Tom in Denver", Mouth of the Dragon 10 (December, 1976).

"what if", Lake Superior Review, VII:3 (Winter, 1976-77).

"the end of a year", Fag Rag 19 (Spring, 1977).

"doing shitwork", Minnow/Sparrow 33 (January, 1977).

"four ways of silence", Gay Sunshine 32 (Spring, 1977).

"trying to live by the rules", Sunbury 5 (II:2) (Summer, 1976)[published May, 1977].

"there is a vast difference", Dark Horse 11 (Spring, 1977).

"letting the music play", Fag Rag 20 (Summer, 1977).

"(after the Hopi)", Choomia (Summer, 1977).

"writing to a friend in order to ask myself 2 questions", "revolution in eritrea", "an hour ago you called", in A Decade & The Some; contemporary literature, 1976, edited by Alan DeLoach, Buffalo: Intrepid Press, 1976 [published in 1977].





'Four ways of silence" , in Orgasms of Light; The Gay Sunshine Anthology, San Francisco: Gay Sunshine Press, 1977.

Consultantships/editorial service

Editor of Hanging Loose magazine and press.

Mary E. Shaner

Continuing work

Examination of medieval manuscripts of Ovid's Heroides for the edition of Heroides and commentary. For The Chaucer Library.

Presentations

"Modes of Allegory in the Benjamin Minor of Richard of St. Victor", delivered at the Medieval, Patristic and Renaissance conference at Villanova University on October 1, 1977.

George W. Slover

Continuing work

Revision of article on The Tempest, Shakespeare Studies, in process.

Continued work on the project of which this article is a part: an investigation of Shakespeare's "dramaturgic self-consciousness", based on the playwright's use of "stage managerial" figures such as Prospero.

Louise Smith

Publications

"Sensibility and Epistolary Form in Heloise and Werther", L'Esprit Créateur, in press.

Continuing work

"Lukács, Scott, and the Invention of Historical Fiction", in process.

Grants Activities

Application for a Mellon Postdoctoral Fellowship at Harvard.



Presentations

Talk on two kinds of aesthetic response to landscape represented by Rousseau's Saint-Preux in La Nouvelle Héloïse and Goethe's Werther; to the UMB English Department Colloquium Series.

The American Revolution and Early Romantic Historical Fiction, at the NEMLA meeting in Pittsburgh.

Irvin Stock

Publications

Our Friend Montaigne, or the Revolt Against Culture, Southern Humanities Review, May, 1977.

Mary McCarthy, in Seven American Women Novelists of the 20th Century, University of Minnesota Press, August, 1977.

Continuing work

Stooping to Conquer: Oliver Goldsmith and his Comedy, in process.

New study of the work of and the scholarship on Bellow, Ibsen and Chekov for work with two Honors students.

"Creative" writing: two one-act plays, MRS. BAUM, FIGHTING and HIMEY KATZ, ARTIST, OR THE TRAP, unified in being both about "senior citizens" and collectively entitled MRS. BAUM AND MR. KATZ.

Taylor Stoehr

Publications

"What Would Paul Goodman Have Thought?" Chronicle of Higher Education, XIII (September 27, 1976), 32.

"Cunning, Fraud, or Flight" and "The Attitude of Anarchism", The Nation, CCXXIV (March 26, 1977) and (April 9, 1977), 373-376, 437-440.

"Victorian Sexuality", New Letters, XLIII (June, 1977), 103-108.

"Adam and Everyman: Paul Goodman in his Short Stories", Salmagundi, No. 38-39 (Summer-Fall, 1977), 137-150.

Hawthorne's Mad Scientists, from Archon Press, in press.

Consultantships/editorial service

Collected Poems of Goodman, Random House, paperback edition, 1977.

The Empire City, Random House, paperback edition, 1977 (editorial consultant).

"Remo", Christopher Street, I (July, 1976), 11-12.



"The Psychology of Being Powerless", Liberation, XX (June, 1977), 9-14.

Marilyn Truesdell

Continuing work

Research at the Amistad Research Center, Dillard University, New Orleans as part of work on Black Women and Religion.

Consultantships/editorial service

Director of curriculum development workshop for Humanities teachers, Institute for Services to Education Summer Conference, New Orleans, La.

Cornelia Veenandaal

Publications

(Alice James Poetry Cooperative). Title: GREEN SHADED LAMPS.

Consultantships/editorial service

Poetry workshop and press.

Igor Webb

Publications

"The Bradford Wool Exchange: Industrial Capitalism and the Popularity of Gothic", Victorian Studies, Vol. 20, No. 1, Autumn, 1976.

"Speaking of the Holocaust: The Poetry of Geoffrey Hill", Denver Quarterly, Vol. 12, No. 1, (Spring, 1977).

"Against Capitulation" (autobiographical essay under pseud. Jiri Wyatt), The Massachusetts Review, Vol. 18, No. 2, Summer, 1977.

"Marriage and Sex in the Novels of Ford Madox Ford", Modern Fiction Studies, in press.

Continuing work

A review essay of some contemporary poets appears in the forthcoming Minnesota Review.

From Custom to Capital: Some Perspectives on the English Novel During the Period of the Industrial Revolution.





Grants Activities

Applied for an NEH Individual Scholar's Grant for a study on the impact of the Holocaust on post-war Czechoslovak culture and society.

Received a \$1500 grant from The Memorial Foundation for Jewish Culture to study Czech.

Presentations

Served on MLA Radical Caucus panels at annual convention.

Consultantships/editorial service

Read manuscripts for The Radical Teacher and Victorian Studies.

Frederick Willey

Continuing work

Unpublished manuscript on the novel was accepted by The Georgia Review, and three other articles are circulating.



FRENCH

Suzanne Relyea

Publications

Signs, Systems and Meanings: A Contemporary Semiotic Reading of Four Molière Plays, Wesleyan University Press, 1976.

Continuing work

"The Sign's Desire: Colette's Creation of the Real", Language and Style, in process.

"Significant loss: the Systemization of Grief in Mme de Sévigné's Letters", in preparation.

Presentations

"A refusal to Brackett", presentation as part of a panel colloquium on the present status of feminist literary theory, Brandeis University, April 11, 1977.



## GERMAN

Andrew Boelcskev

### Continuing work

Research on Handke's recent fictional work concerning the interaction between content and narrative mode in Wunschlose Unglück and the very different treatment accorded a comparable topic in Brecht's "Unwürdige Greisin".

Lynn Dhority

### Continuing work

"Hesse and Goethe: Manifesting or abdicating to 'The Feminine', (paper presented at a Colloquium of the Department in Fall, 1976).

Ritta Jo Horsley

### Presentations

"Dies Frauenschicksal": The Theme of Women in Goethe's Iphigenie. Paper revised for presentation at fall meeting of Massachusetts chapter of American Association of Teachers of German, October, 1976.

Panelist on program sponsored by the Goethe Institute and Emmanuel College on "Comparative Views of Women's Emancipation in Germany and America", in connection with the international book exhibition "Die Frau", February, 1977.

Fredrick P. Ott

### Publications

Tradition and Innovation: The Prose Theory and Practice of Arno Schmidt, German Quarterly, in press.

Book Review: Volker Braun. Es genügt nicht die einfache Wahrheit, Books Abroad.

Book Review: Martin Stephan. Schiffe gehen gelegentlich unter, Books Abroad.

Book Review: Ulrich Berkes. Ikarus über der Stadt, World Literature Today.

Book Review: Wolfgang Trampe. Kupferpfennig, World Literature Today.

### Continuing work

Research into the early years of--and influences on--Arno Schmidt.





GERMAN CONTINUED 2

Presentations

Lecture on Arno Schmidt at the invitation of the Goethe Institute, Boston, February 17, 1977.

Consultantships/editorial service

Continued as Associate Bibliographer, MLA, German Literature Section.

Alfred Hoelzel

Publications

Soma Morgenstern, 1890-1975, Midstream, March, 1977, 41-50.

Simon Wiesenthal's The Sunflower: Forgiveness in the Holocaust?, Midstream, in press.

Continuing work

Faust, the Plague, and Theodicy, submitted to PMLA.

The Germanist and the Holocaust, submitted to Unterrichtspraxis.

Presentations

Recent Holocaust Literature in German, Presented at MLA Conference.

Talk for UMB Hillel Club on the Holocaust, October 26, 1976.

The Literature of the Holocaust, Presented to teachers in the Gloucester Public School System, March 14, 1977.

The Literature of the Holocaust, guest lecture in the course on the Holocaust given in Boston Adult Education Center, March 23, 1977.

The Germanist and the Holocaust, AATG, Mass. Chapter Meeting on April 16, 1977.

Jurek Becker's Jacob the Liar: Holocaust Literature in a Different Vein, NEMLA annual meeting in Pittsburgh, April 21, 1977.



## HISTORY

Feroz Ahmad

### Publications

The Turkish Experiment in Democracy 1950-1975, London and Colorado, 1977.

An Annotated Chronology of Multi-Party Politics in Turkey 1945-1971, in Turkish, Ankara, 1977.

Parliaments of the Second Constitutional Period 1908-1918, (in Turkish) in Guney-Dogu Avrupa Arastirmalari Dergisi, 1976.

### Continuing work

The manuscript on "The Young Turks at War 1914-18".

### Grants Activities

Grant from the Social Science Research Council for Sabbatical Year. Research fellow at the Center for Middle Eastern Studies, Harvard University. (Renewed for academic year 1977-78).

Summer grant to do research in Turkey from the American Research Institute in Turkey.

### Presentations

Paper on "The Social and Economic Policies of the Young Turks, 1908-1918" at the First International Conference on the Social and Economic History of Turkey, Ankara, July 11-13, 1977.

Paper on "The Problem of the Bourgeoisie in Twentieth Century Turkey", seminar at the Center for Middle Eastern Studies, Harvard, February 28, 1977.

Paul Bookbinder

### Publications

Carl Schmitt: Italian Fascism and the Destruction of German Parliamentary Democracy, Italian Quarterly, Summer, 1977.

### Grants Activities

The Political Police under the Weimar Republic, a research project supported by a Faculty Growth Grant; at the German National Archives in Koblenz, Germany.

### Presentations

On Christianity and the Holocaust, paper presented at a Conference on the Holocaust, Boston Council for the Social Studies; December, 1976.

The Moral Implications of the Holocaust, a paper presented at a Conference at Stonehill College sponsored by the Stonehill Institute for Justice and Peace; April, 1977.



## HISTORY CONTINUED 2

Guest Lecturer, The Recent History of European Jewry, Boston Center for Adult Education, March, 1977.

Guest Lecturer, Violence in Modern Europe, Temple University, Philadelphia Pennsylvania, June, 1977.

### Consultantships/editorial service

Member of State Advisory Council to the Ethnic Heritage Conferences of Massachusetts; participant at Boston Conference, February, 1977 at UMass/Boston.

Faculty Member, teachers' workshop on the Nationalist Socialist Era, Gloucester; March, 1977.

### Exhibitions/Performances

"Free to Be", A film made under a grant by the New York Council on the Humanities; released June, 1977; aired on New York television Channel 9 (August, 1977); also to be shown to school and community groups.

Timothy McCarthy

### Publications

Marx's Concept of the Revolutionary Proletariat, Greenwood Press, in press.

Marx and the Problem of Work, Social Science, in press.

### Continuing work

Marx and the Problem of Work.

George Lichtheim's Marx.

Karl Marx: A Critical Evaluation.

Malcolm Smuts

### Publications

"The Puritan Followers of Henrietta Maria in the 1630's" in English Historical Review, in press.

### Continuing work

Review article (5,000 words) of Robert C. Johnson et al., (eds.) Commons Debates, 1628, 3 vols. Journal of Modern History, in process.





### HISTORY CONTINUED 3

Rustic and Primitive Themes in Stuart Court Culture, in preparation.  
Culture and the Royalist Tradition in Early Stuart England.

#### Presentations

Lecture on research to a symposium of scholars working at the Folger  
Shakespeare Library, Washington.



## ITALIAN

Antonio Carrara

### Publications

Il linguaggio poetico di Gace Brulé e la tradizione lirica occitanica: Spicilegio Moderno, University of Bologna, in press.

### Continuing work

Study analyzing in detail the various aspects of the poetic language of Gace Brulé, trouvère of the 12th century, with an appendix giving the critical edition of one of his poems.

Work begun on an Italian Grammar, contracted by D.C. Heath.

### Consultantships/editorial service

Member of the Editorial Board of Italian Quarterly.

Member and Secretary of the New England Inter-University Seminar in Italian and Studies.

Vito Giustiniani

### Publications

Plutarch und die humanistische Ethik. Metterlungen der deutschen Forschungsgemeinschaft, in press.

### Presentations

Plutarch und die humanistische Ethik. Presented to meeting of Deutsche Forschungsgemeinschaft, Göttingen at the invitation of the Senatskommission für Humanismusforschung, October, 1976.

Plutarch und die humanistische Ethik. Presented (in Italian) at the meeting of the New England Inter-University Seminar in Italian Studies, Harvard, October, 1976.

Poesia e letteratura dialettale italiana. Presented at the meeting of Circolo Letterario Italian, Boston, November, 1976.

Poesia e letteratura dialettale italiana. Presented at the meeting of Società Dante Alighieri, Toronto, March, 1977.

Boccaccio and mediaeval fiction. Presented to Italian Department, University of Toronto, March, 1977.

### Continuing work

Contributions to the Grundriss der romanischen Philologie des Mittelalters.

### Consultantships/editorial service

Participant in New England Inter-University Seminar of Italian Studies.



ITALIAN CONTINUED 2

Publications cont.

Neulaternische Wichtung in Italian 1845-1950: ein unerforschtes Kapitel  
italienischer Literature und Geistesgeschichte. Tübingen: Zeitschrift für  
Romanische Philologie, in press.

Gerald C. Volpe

Continuing work

Continue to study scholarly activity French and Italian Literature of the  
Medieval and Renaissance periods, specifically Dante and Rabelais.

Presentations

The Italian-American Generation Gap. Lecture at a meeting of the Dante  
Alignieri Society of Boston (February 26, 1977).





## JAPANESE

James T. Kenney

### Continuing work

Currently in the process of writing the final two chapters of, The Life and Writings of Sato Haruo (1892-1964).

In process of writing a chapter in a book to be published jointly with the director of the Fine Arts Museum, Indiana University, on the subject of Kyoka (mad verse) and its relationship to surimono prints.

### Grants Activities

Awarded the Fulbright-Hays Doctoral Dissertation Overseas Research Grant to spend 9 months in Tokyo, Japan researching the life and writings of Sato Haruo, a major Taisho Period (1911-26) Japanese writer. While in Tokyo, appointed visiting researcher at Tsurumi University to gain access to various materials as well as meeting and interviewing leading writers and literary scholars.



## MATHEMATICS

Daniel Comenetz

### Presentations

Presented study on work of Horikawa, Brandeis University.

Colin Godfrey

### Publications

Ideals of Coadjoint orbits of nilpotent Lie algebras, Transactions of the A.M.S., 1977, 295-307.

### Continuing work

On deformations of Lie algebras.

Stephen K. Parrott

### Publications

On a quotient norm and the Sz.-Nagy--Foiias Lifting theorem, Journal of Functional Analysis, in process.

### Continuing work

Work on general relativity.



## MUSIC

Martin Pearlman

### Publications

Solo harpsichord record, Music of the Couperin Family.

### Exhibitions/Performances

Solo recitals on harpsichord and fortepiano in Boston, New England Area, and Europe.

Solo harpsichord recordings for European radio stations.

Director of Banchetto Musicale (chamber orchestra of Baroque instruments)  
Play series of concerts in Cambridge and concerts elsewhere.





## PHILOSOPHY

Clyde H. Evans

### Publications

Critical Thinking and Reasoning: A Handbook for Teachers, New York State Department of Education, 1976.

Critical Thinking: An Ally to Parental Values, Montclair Educational Review, Spring, 1977, also forthcoming in Growing Up With Philosophy, Matthew Lipman, Ann Sharp, eds., Temple University Press, in press.

The Feasibility of Moral Education, (revision of article in Meta-Philosophy, January, 1976), Growing Up With Philosophy, in press.

### Continuing work

"Children's Rights: The Incompetence Objection"; "Children's Rights: and the Supreme Court"; "Children's Rights: An Idea Whose Time Has Come"; "The Non-Directive Character of Moral Education"; "What's a Teacher to Do? Theoretical Considerations"; An inquiry into the role of the teacher in moral education; "What's a Teacher to Do? Practical Guidelines"; "An Open Letter to Parents about Values Education".



## PHYSICS

Marrin M. Antonoff

### Publications

The Effect of Impurities on the Spin-Density-Wave Transition, PHYSICA 91B, 1977, 193.

Effects of Paramagnetic Impurities on the Néel Temperature of an Itinerant Antiferromagnet, BULL. AM. PHYS SOC., Series II, 22, 1977, 572.

Effects of Paramagnetic Impurities on the Néel Temperature of an Itinerant Electron Antiferromagnet, Proceedings of the International Conference on the Physics of Transition Metals, 1977, in Press.

### Presentations

Properties of Antiferromagnetic Metals containing Paramagnetic Impurities, Conference on Magnetism and Magnetic Materials.

The Effect of Impurities on the Spin-Density Wave Transition. International Conference on Itinerant Electron Magnetism, Oxford, September, 1976.

Effects of Paramagnetic Impurities on the Néel Temperature of an Itinerant Electron Antiferromagnet, International Conference on the Physics of Transition Metals, Toronto, 1977.

Effects of Paramagnetic Impurities on the Neel Temperature of an Itinerant Antiferromagnet, American Physical Society Meeting, Washington, 1977.

Seminars on Itinerant Antiferromagnetism and the Effects of Impurities on various Properties of Antiferromagnetic Metals were presented at M.I.T., National Magnet Laboratory; Clarkson College and Technology; University of Massachusetts/Boston; University of Massachusetts/Amherst; McGill University.

### Consultantships/editorial service

Referee for papers submitted to the International Conference on the Physics of Transition Metals.

Guest Scientist, M.I.T. National Magnet Laboratory.



## POLITICAL SCIENCE

Paul Edmund Beard

### Publications

Developing the ICFM, Columbia University Press, November, 1976. (reviewed in Perspective, May, 1977; Foreign Affairs, April, 1977; Political Science Quarterly, Summer, 1977; The Wilson Quarterly, Summer, 1977; The Report of the New York Public Library; Choice; Foreign Service Journal; and Military Review).

### Continuing work

Work on the effect of proportional representation on delegate selection to the national presidential nominating conventions for a chapter on the same subject forthcoming in a book from the University of Virginia Press, edited by Paul T. David.

### Grants Activities

National Endowment for the Humanities Summer Stipend of \$2500. Accordingly, spent the summer in Washington D.C. studying federal governmental re-organization.

### Presentations

Conflict of Interest and Public Service: the Case of the 'In and Outer'. Presented to the Symposium on Ethics in Business and the Professions, University of Kansas, November 13, 1976.

### Consultantships/editorial service

Wrote a Report to the State Senate Ad Hoc Committee on Committee Procedures outlining proposed reforms. Briefed the Committee on same.

Drafted a "Code of Ethics" for the Massachusetts State Senate at the request of its Committee on Ethics and following testimony before them. Also wrote various supporting documents. This "Code" is the basis for the Code of Ethics released publicly by the Senate last summer and currently in its Rules Committee.

Keitha Sapsin Fine

### Publications

"Worker Control in France: Recent Political Debates" in G. David Garson (ed.), Worker Control in Industry: The West European Experience. Praeger, 1977, 152-192.

### Continuing work

Work on the casebook on Twentieth Century Marxism.





## POLITICAL SCIENCE CONTINUED 2

### Presentations

Alternative Visions of Socialism: A Symposium, University of Mass., Amherst, March 11-13, 1977. Participant. Panel, "The Political Economy of Socialism: Decision Making and Economic Planning". Talk, "Bringing into Being: Workers' Control Movements in France".

Labor Studies Seminar, Center for European Studies, Harvard. April 9, 1977. Talk: "Some Issues Generated by Recent Labor Union Activities in France".

New England Study Conference on the History and Theory of Marxist-Feminism. Participant in four day-long work sessions: March 19, May 14, July 9, December 3, 1977.

### Consultantships/editorial service

Affiliation with the Center for European Studies at Harvard as Faculty Research Associate.

Mona A. H. Gagnon

### Continuing work

Continued work on Political Myth and United States Foreign Policy: the Exceptional Nation in 20th Century World Politics.

George Goodwin

### Continuing work

Completed chapter on New England State Legislatures for a book on New England politics being edited by Josephine Milburn and Victorial Schuck.

### Presentations

Congressional Organization and the Legislative Process, Presented at the National War College in Washington, October 5, 1976.

Massachusetts Party History. Lecture for the Massachusetts Political Parties course, Brandeis University Institute on State and Local Government, March 23, 1977.

UMass. Alumni in Politics before UM/B Alumni Association, June 28, 1977.

### Consultantships/editorial service

Reviewed manuscripts for: American Political Science Review - 1, Bureau of Census - 1, Polity - 5.



## POLITICAL SCIENCE CONTINUED 3

Reviewed graduate offerings of Political Science Department at Tufts University with Professor Leila Sussman of Tufts Sociology Department, Report submitted to Graduate Dean on December 8, 1976.

Talbott Huey

### Continuing work

Work on The Politics of Charisma: Radical Myth and Model in Traditional China, a series of case studies in political symbolism, suggesting that there existed in traditional China a heritage of religious and political radicalism which has strongly affected modern Chinese politics.

Much research activity involves keeping track of the inscrutable political activity of China and Southeast Asia, particularly Vietnam and Cambodia.

### Consultantship/editorial service

Associate in Research at the East Asian Research Center at Harvard.

Thomas R. Kanza

### Publications

Zaire's foreign policy, in The Foreign Policies of African States (edited by Olajide Aluko), Hodder & Stoughton, Sevenoakes, Kent, England, July, 1977.

American Presidential Election '76: An African Perspective, Africa Report Magazine, The African-American Institute, New York, July-August 1976, 21, No. 4.

### Continuing work

Patrice Lumumba, screenplay in collaboration with Professor Jiri Weiss, based on book, "The Rise and Fall of Patrice Lumumba" for Third World Films Production, New York.

Janet Kelly

### Publications

Bankers and Borders: The Case of American Banks in Britain, Ballinger, 1977.

International Monetary Systems and National Security, Economic Issues and National Security, (Knorr and Trager, eds.), in process.

### Continuing work

International Capital Markets: A New Security Threat: Orbis, winter issue, in process.



Presentations

Center for European Studies on The State and Capitalism, International Systems paper at the annual meeting of the International Studies Association.

Grants Activities

Joint study on "north-south" relations as they apply to the United States and Latin America. Grant approved 11/23/77.

Consultantships/editorial service

Research fellow at the Center for International Affairs at Harvard.

Editorial Board of the journal World Politics.

Sanford R. Lieberman

Continuing work

Sabbatical visit to the U.S.S.R., for reading lengthy dissertation summaries at the Lenin Library in Moscow (the last piece of research for study of the "Communist Party of the Soviet Union and Political Controls during World War") and further first-hand exposure to Soviet society (including individual travel to the Caucasus and Crimea).

Morris Lounds

Consultantships/editorial service

Research also solicited by the Deputy Director General of the Israeli Ministry of Interior, and during stay in Israel acted as a consultant to the Deputy Director General (Judith Hobner) on the subject of "group relations in Israel".

Dorothy N. Marshall

Consultantships/editorial service

Work in preparation for a month spent in Bogota, Columbia with an interdisciplinary group in the graduate school of Javeriana University working on education for development.

Conclusion of consultancy for NEH at University of Southern Illinois at Edwardsville - role of College of Humanities and future for interdisciplinary program. Written report.

Brief consultancy and brief report for NEH on French Canadian status at





University of Maine.

One lecture, Smith College, Latin America Today.

Diane B. Paul

Presentations

Culture is Not a Seamless Web: Health Care and Education in Britain and the U.S., Paper presented at the Northeast Political Science Convention, November, 1976.

Alan R. Posner

Publications

Italy: Dependence and Fragmentation, International Organization, 31, No. 4, Fall, 1977. also published in (Peter Katzenstein, ed.). Between Power and Plenty. Madison: University of Wisconsin Press, in press.

Powers of the Second Rank: Foreign Policy in Britain and Italy." Review essay (based on William Wallace. The Foreign Policy Process in Britain. London: 1975, and Dino Del Bo, Roberto Guidi, et al., Inchiesta sulla Politica Estera Italiana. Rome: 1970) requested by the editor of International Organization, October 1976.

Grants activities

The Foreign Policy of the Netherlands since 1945. Research proposal and outline submitted as part of grant request to the Council on the International Exchange of Scholars (Submitted June 1977). Proposal for research project which focuses on the domestic sources of the foreign policy of the Netherlands with special reference to Calvinist and Catholic influences.

Presentations

Chairperson of Panel on Accountability and the Institutions of American Foreign Policy at the 18th Annual Convention of the International Studies Association (St. Louis, March 20, 1977).

American Foreign Policy Accountability: A Model of Neo-Responsible Government. Paper presented at the 18th Annual Convention of the International Studies Association.

Italy: Dependence and Political Fragmentation. Paper presented at the Harvard Conference on Domestic Structures and the Foreign Economic Policy of Advance Industrial States (Cambridge, October 1976).

Participant in May 1977 conference on Mediterranean security at Harvard Center for European Studies.



POLITICAL SCIENCE CONTINUED 6

Arthur P. Simonds

Publications

Karl Mannheim's Sociology of Knowledge, in press.

Develop outlines of a book on contemporary Marxian political theory.

John D. Spence

Continuing work

Preparation of Book manuscript, Struggle for Justice: Experiments in Neighborhood Courts in Allende's Chile.

Preparation of article, "The Dynamics of Class Struggle and the UP in Allende's Chile".

Field Research in Urban Law Staffed Urban Court Mediation Services in New York City.

Glenn Tinder

Publications

"Community: The Tragic Ideal," The Yale Review, Summer, 1976.

Continuing Work

Completed book-length manuscript, The Tragic Ideal: Essays on Community, in process.

James F. Ward

Publications

Arthur F. Bentley's Philosophy of Social Science. American Journal of Political Science, in press.

Continuing work

Emerson's Political Teaching, under review.



## POLITICAL SCIENCE CONTINUED 7

### Grants activities

Received a Faculty Development Grant in May 1977 for research on Arthur F. Bentley's Philosophy of social science.

### Presentations

Invited to chair panel at Northeastern Political Science Association conference November 10-12, 1977: Panel topic: "The Political Animal. In addition to chairing this panel, delivered paper entitled "Biobehavioral Political Theory: A Philosophical Criticism."





## PSYCHOLOGY

Lawrence S. Gaines

### Publications

Psychological differentiation, event uncertainty, and heart rate.  
Journal of Human Stress, 1977, 3, 11-25.

### Continuing work

Research activity with two alcoholism-related problems on the paradox of alcoholic drinking, where the behavior results in shortterm immediate gratification and long-term delayed punishment and the nature of emotional processes in individuals who are thought to be suffering from an affect disorder and are psychologically dependent on alcohol.

### Grants Activities

Grant Application to the National Institute on Alcohol Abuse and Alcoholism.

### Consultantships/editorial service

Review reports of alcoholism research for the Journal of Consulting and Clinical Psychology.

Joan Huser Liem

### Publications

Social Class and Mental Illness Reconsidered: The Role of Economic Stress and Social Support. Journal of Health and Social Behavior, in press.

### Continuing work

Economic Change and Psychological Impairment: Implications for some General Problems in Social Analyses, under review.

### Grants Activities

Grant Proposal to the National Institute of Mental Health (NIMH) to study the effects of unemployment of family and individual functioning. That proposal for three years of support has been approved by the Metropolitan Center peer review committee. It has been given a very high priority rating and should be funded beginning sometime in 1978. The study is entitled, Family and Individual Coping Following Job Loss.

### Presentations

Life Events, Social Support, and Physical and Psychological Well-Being, (presented paper at the American Psychological Association convention in September, 1976.)



## PSYCHOLOGY CONTINUED 2

American Psychological Association Symposium entitled, Communication with the Dead: New Data or Same Old Story.

Mildred McIntyre

### Grants Activities

Attended a six week conference/workshop on "Neurobiology and Addiction" at the University of California at Irvine, under the sponsorship of the Social Science Research Council.

Brian Mishara

### Publications

A Consumer's Guide to Mental Health, Quadrangle/The New York Times Book Co., in Press. To be published simultaneously in Canada by Fitzhenry & Whiteside Ltd, Also, to be published in paperback by Signet/New American Library.

Individual differences in old age: the stimulus intensity modulation approach. In Kastenbaum, R. (Ed.) Old Age on the New Scene, New York: Springer-Verlag, in press.

When "reliability" fails must a measure be discarded? - the case of kinesthetic aftereffect. Journal of Research in Personality, in press.

Kinesthetic aftereffect, organismic state and retest reliability. British Journal of Psychology, in press.

Body buffer zones and age. In Hulicka, I. (ed.) Empirical Studies in the Psychology and Sociology of Aging, New York: Thomas Y. Crowell Co, 1977.

Premature death and self injurious behavior in old age. In Kastenbaum, R. (Ed.) Old Age on the New Scene, New York: Springer/Verlag, in press.

### Continuing work

Alcohol in Old Age: Use and Abuse, New York: Grune and Stratton, in process.

Social Psychology of Later Life, in process.

Geriatric patients who improve in token economy and general milieu treatment programs: a multivariate analysis, Journal of Consulting and Clinical Psychology, under review.

Environment and Face-Hand test performance in the elderly. Journal of Gerontology, under review.

Kinesthetic aftereffect as an index of personality: applications to individual differences in the elderly. Journal of Personality and Social Psychology, under review.



### PSYCHOLOGY CONTINUED 3

Kinesthetic aftereffect scores are reliable, Applied Psychological Measurement, under review.

Bias in Petrie's alternate form kinesthetic aftereffect procedure. British Journal of Psychology, under review.

#### Presentations

Use and abuse of behavioral consultation, presented as part of the symposium, "Psychological Consultation to Services for the Aged", at the Annual Convention of the American Psychological Association, August, 1977, San Francisco, California.

Who benefits from token economy and general milieu treatment programs? presented at the Annual Convention of the American Psychological Association, August, 1977, San Francisco, California.

Donald Mixon

#### Publications

Studying feignable behavior. Representative Research in Social Psychology, 1976, 7, 89-104.

Temporary false belief. Personality and Social Psychology Bulletin, 1977, 3, 479-488.

Response to Coutts. Personality and Social Psychology Bulletin, 1977, 3, 502.

On the difference between active and nonactive role-playing methods. American Psychologist, 1977, 32, 672-677.

Experiments and the language of situations. Papers in Linguistics, 1977, in press.

Why pretend to deceive? Personality and Social Psychology Bulletin, 1977, in press.

Learning a skill -- not psychosomatic medicine. Contemporary Psychology, in press.

#### Continuing work

Playing roles: Men and women as actors. (book in progress).

Habit and custom: Studying non-feignable ways of behaving. (undergoing revision).

F.M. Alexander and science. (in progress).

#### Grants Activities

A study of morals. Submitted to the National Endowment for the Humanities.

A study of ways of teaching the Alexander Technique (videotapes and interviews). University of Massachusetts Faculty Growth and Development Grant -- awarded in the spring of 1977.





PSYCHOLOGY CONTINUED 4

Presentations

Role playing. Boston University, February 1977.

Consultantships/editorial service

Manuscripts reviewed for: American Psychologist, Journal for the Theory of Social Behaviour, Personality and Social Psychology Bulletin.

Howard P. Ramseur

Continuing work

"Racial Attitudes of Black Students At A White College", being submitted for publication.

Worked on a study of the impact of patient's race and class on clinical judgements of mental health.

Began work in the area of Black Personality/Black Identity and plan to make it the focus of research.



## RUSSIAN

Diana L. Burgin

### Publications

Translation of Aleksandr Blok As Man and Poet by K. Chukovsky, Ardis Publishers, in press.

Translation of The Invisible Book by Sergei Dovlatov, Ardis, in press.

Book Review: Truth is For Strangers by Efraim Sevela, Quincy Patriot Ledger.

Book Review: The Fall and Other Stories, by Grigori Gorenstain, Quincy Patriot Ledger.

Book Review: Biographies of Russian writers, The Sexual Labyrinth of Nikolai Gogol (Karlinsky); Dostoevsky (Frank); and Turgenev, the Gentle Barbarian (Pritchett). Quincy Patriot Ledger.

### Continuing work

Completed an article on Mikhail Bulgakov's Heart of a Dog, under review.

### Presentations

Literary Echos and Modern Trends in Solzhenitsyn's Treatment of the Theme of Freedom, Section on Freedom in Literature, MLA, New York, December, 1976.

Myths and Idols in the Poetry of Valerii Briusov, Section on Modern Russian Literature, Northeast AAASS, Harvard University, April, 1977.

Lecture at Wellesley College on Sex, Death, and the Fatal Feminine in Tolstoy.



## SOCIOLOGY 1

James Blackwell

### Publications

Research Study on Minority Student Admissions and Affirmative Action. Washington, D.C.: Department of Health, Education and Welfare, May-June, 1977, 328 pages

The Participation of Blacks in Graduate and Professional Schools. Atlanta: The Southern Education Foundation, 1977.

Blackwell, James F. "The Power Basis of Ethnic Conflict in American Society," in The Uses of Controversy in Sociology. (Lewis Coser and Otto Larsen, eds., New York: The Free Press, 1976, pp. 179-196, (ch. 10).

Legal and Social Dimensions of Interracial Liaisons." Ch. V in Doris Wilkinson and Ronald Taylor (eds.), The Black Male in America. Chicago: Nelson-Hall, 1977.

"Social Stereotyping and The Educational Community," Chapter 9 in Allan C. Ornstein and Steven I. Miller (eds.), Educational Politics and Policies. Boston: Allyn-Bacon, 1976.

The Status of Racial and Ethnic Minorities in Sociology. Footnotes: Special Supplement. Washington, D.C.: American Sociological Association, August 1977.

### Continuing work

"Social Factors Adversely Affecting Minority Group Education," to be published by the College Entrance Examination Board.

Technological Innovations and the Cultural Environment. To be published by UNESCO/Paris

Urban Blacks: Current Priorities and Future Concerns. Book anticipated.

### Presentations

Discussant of four papers in the Community Section at the Annual Meetings of the American Sociological Society in New York City, August, 1976

Panelists on Minority Graduate Student Education during the Annual Meetings of the Association of Black Sociologists in New York City, August, 1976.

"Social Factors Adversely Affecting Minority Group Education", paper presented as Keynote Speaker for two of eight regional Seminars sponsored by the College Entrance Examination Board and the Educational Testing Service April 1, 1977 at Los Angeles Hilton Hotel and on April 11, 1977 at the ETS in Princeton, N.J.

"The Participation of Blacks in Graduate and Professional Schools", presented as Featured Speaker in Plenary Session at the Second Annual Conference of the National Association for Equal Opportunity in Educational (NAFEO) at the Shoreham Hotel in Washington, S.C., March 13-16, 1977.





## SOCIOLOGY 2

"Blacks in American Society: Contributions and Future Prospects": A Keynote Address given during Black History Week at the University of Virginia at Charlottesville; February 4, 1977.

"Diversity in the Black Community: Social, Philosophical and Ideological Bases": and address given during Black History Week at the Cambridge (Massachusetts) Public Library for the City of Cambridge; February 17, 1977.

"Expert Witness in the Case of Norvell Scott vs. The University of Delaware," April 6, 1977 at Wilmington, Delaware.

"Blacks in Higher Education in New England",: Keynote address presented at the New England Assessment Conference in Cambridge, Mass., November, 1976.

"Faculty and Student Issues in Five Selected Adams States: A Statistical Analysis; A paper presented at a Conference on Access to Education in the "Adams States"; sponsored by the Southern Education Foundation in Atlanta, Georgia; November 5-6, 1976.

### Consultantships/editorial service

Member, Research Advisory Committee of the College Entrance Examination Board.

Member, Ford Foundation Evaluation Team on the Impact of Financial Contributions to Predominantly Black Colleges on Their Viability.

Member, Blue Ribbon Panel, Convened by Secretary Joseph Califano on "Dismantling Dual Systems of Higher Education", June, 1977.

Member, Special Task Force On Equality of Opportunity in Graduate and Professional Schools; appointed by Dr. Ernest Boyer, U.S. Commissioner of Education, April, 1977.

Member, "Critical Issues in Higher Education" Panel, convened by former HEW Secretary, David Mathews, at Warrenton, Virginia, December, 1976.

James P. Brady

### Publications

"Political Contradictions and Justice Policy in People's China", Contemporary Crises, (ed. Gouldner-Chambliss), Amsterdam-London, 1977, January, #1.

Review of "Pepinsky, H. Crime and Conflict", in press

Popular Justice: An Alternative to Law and Order Under Capitalism, Wm. C. Brown, in press.



### SOCIOLOGY 3

#### Continuing work

Affadavit and Summary of Research Findings-Picariello-Gulion Trial

#### Presentations

"Taking the Law into Our Own Hands: The Rise of A Popular Justice in the United States" at the American Society of Criminology, Atlanta, November , 1977

"The Political Economy of Justice Policy in the United States and China:", presented to American Society of Criminology, Tucson, Arizona, November, 1976.

John K. Dickinson

#### Continuing work

"The Dialectic of Equality," book in preparation

#### Presentations

"The Holocaust as Human Behavior" paper presented to the Mass. Chapter of the American Association of Teachers of German, 16.IV.77.

"The Question of Standards for the Judgement of Teaching" Paper presented to the Mass. Sociological Association, Spring meeting, 11.VI.77

Susan Gore

#### Publications

The paper, "The Effect of Social Support in Moderating the Health Consequences of Unemployment," 1978, in press. .

Social Supports and Health, Medical Care, May, 1977

#### Continuing work

The effects of unemployment on individual and family well-being; and the relationship between social supports, physical and mental health.

#### Presentations

"Social Supports for Urban Unemployed," presented at the annual meeting of the American Sociological Association.

#### Consultantships/editorial service

President's Commission on Mental Health, Support Systems Task Panel, committee on supportive resources



SOCIOLOGY CONTINUED 4

Richard Kronish

Publications

"West European Automobile Industry." Radical Review of Political Economy, 1978, in press.

Continuing work

Multinational Corporations, book in preparation for Macmillan.

Presentations

"West European automobile industry" at the spring meetings of the Union of Radical Political Economists.

Consultantships/editorial service

editorial board of Theory and Society.

Glenn Jacobs

Publications

Professions for the People: the Politics of Skill, Cambridge: Schenkman, 1976.

The Heart of Cooley's Journals, La Jolla: Essay Press, in press.

"Cooley's Economic Sociology: the Theory of Pecuniary Valuation," in Norman K. Denzin (ed.), Studies in Symbolic Interaction: an Annual Compilation of Research, Greenwich, Conn.: JAI Press, in press.

Continuing work

Sociology and Belles Letters: the Case of Charles Horton Cooley, under review.

Presentations

Discussant, with prepared remarks, session on the history of sociology, annual meeting of the ASA, Chicago, 1977.

Chair, session on humanist sociologies, annual Research Symposium of Alpha Kappa Delta, Richmond, Va.





## SOCIOLOGY CONTINUED 5

Gregory Johnson

### Grants Activities

"The Black Audience and the Perceived Reality of TV Content", a grant proposal under review.

### Presentations

"The Underemployment of Advanced Degree Holders:", a paper presented to the annual meetings of the American Sociological Association; New York City, September, 1977.

### Consultantships/editorial service

"Milder TV No sure Cure for Violence:", an editorial which appeared in the Boston Globe on March 4, 1977.

J. Lawrence Kamara

### Continuing work

Begun computer analysis of data collected in the past year on Working Couples, Role-Sharing, and Stage in the Family Life-Cycle.

Rewriting earlier chapters on Relationships in Marriage and the Family.

### Presentations

Delivered Paper on Health and Aging: Issues in the Black Community at the annual meeting of the Eastern Sociological Society (E.S.S.) March, 1977. New York.

Janet A. Kohen

### Publications

Film Review, American Anthropologist, Vol. 79, No.1, March. 1977.

Custom Made Family Blues in Contemporary Issues in American Society. ed. J. Boskin, Glencoe Press. 1977.

Isolation and Invasion: The conditions of marriage and divorce. In Families, ed. P. Stein, Addison Wesley, 1977.

Previously published article "Family in an anti-family setting" was republished in Woman in a Man-Made World, Rand-McNally, 1977 and The American Family: Making Way for Tomorrow Praeger. 1977.



Continuing work

The previously published article "Family in an anti-family setting" reprinted in Exploring Social Problems, Alfred, in process.

Divorced Motherhood: The costs and benefits of Female Family Control. In L. Moles and G. Levinger Divorce and Separation, in preparation.

Working on the final version of the book on divorced mothers with other members of Women's Research Center of Boston.

Finished the rough draft of chapter 3 in book on Children and have started editing it and writing chapter 4.

Completed work on the jury selection for the Saxe case and the results show the effectiveness of this process. Working with two other colleagues studying the reliability of surveys in predicting Jury opinions. This is funded by a small grant we received from the Society for the Psychological Study of Social Issues.

Started work on a survey for the Mashpee Indian Case.

Consultantships/editorial service

Reviewed several manuscripts for Houghton-Mifflin this year around the areas of Sex-roles.

Calvin J. Larson

Publicaitons

"Public Service for Profit: The Corporate Response to the Urban Crisis," The International Journal of Contemporary Sociology, in press.

Continuing work

The Corporate Economy, Government, and Urban Problems, a book scheduled for publication by Allyn and Bacon.

T. Scott Miyakawa

Presentations

"Asian American Experience: Diversity and Unity," Association for Asian Studies, New England Council, Hanover, N.H., October 9, 1976.

Chairperson (and organizer as member of the Program Committee), Section on Racism and Education, Massachusetts Sociological Association, Cambridge, Massachusetts, November 6, 1976.



"Japanese in American Society," Harvard Extension, Cambridge, Mass., December 13, 1976.

"Integration of Japanese Americans," WHAC Series - TV

Consultantships/editorial service

Review of Japanese Americans: The Evolution of a Subculture by Harry H. L. Kitano (Englewood Cliffs: Prentice - Hall, Inc., 1976) in International Migration Review, IX, 2 (Summer 1977), 250 - 251.

Editorial reviewer and commentator, Smithsonian Institution, Research Institute on Immigration and Ethnic Studies.

Committees: American Sociological Association Committee on the Status of Racial and Ethnic Minorities in Sociology, Committee on Minorities, and Program Committee, Massachusetts Sociological Assoc., Cambridge, Ma. Nov. 6, 1976

National Advisory Council, Harvard Encyclopedia of American Ethnic Groups

Editorial Reader and Panel Member, Smithsonian Institution, Research Institute on Immigration and Ethnic Studies.

Director, East Coast Japanese History Project, Japanese American Citizens League

Selection Panel (Fellowships), National Endowment for the Humanities  
Professional Society Memberships: American Sociological Association

Stan R. Nikkel

Continuing work

Urban Sociology, Allyn and Bacon, in process.

Review essay published in the journal Simulation and Games in April, 1976 will be included in an anthology to be published in Spring, 1978 edited by Professors Richard Dukes and Constnace Seidner.

"Components of Interracial Stability in an Urban Neighborhood", under review.

Presentations

Organized and co-chaired a session on "Equality of Housing Opportunity" at the Annual Meetings of the American Sociological Association in Chicago.

Luncheon Roundtable Discussion session on the subject of "Minority Housing" at the annual Meetings of the American Sociological Association in Chicago.





## SOCIOLOGY CONTINUED 8

Panelist on a workshop on "Housing and Racism" at the Fall Conference of the Massachusetts Sociological Association held at Harvard, November, 1976.

Ellen Richards

### Continuing work

Mattapan project grant proposal, in process.

### Presentations

"Network Ties, Kin Ties, and Marital Roles: A Re-Examination of Bott's Hypothesis." Paper presented at 1977 annual meeting of the American Sociological Association.

Richard Robbins

### Continuing work

Manuscript of biography of the sociologist Charles S. Johnson, research for which was done on a Guggenheim grant in 1975.

### Presentations

"Charles S. Johnson and the New Deal in the Thirties," given at the annual meeting of the Association for Social and Behavioral Sciences (ASBS), Atlanta, Ga., April, 1977.

"Sociology by Seeing: Use of the Visual in Urban Sociology," given at the semi-annual meeting of the Massachusetts Sociological Association, Mt. Holyoke College, May, 1977.

### Consultantships/editorial service

Reviews in Dissent, Boston Globe, Boston Herald, American Journal of Sociology.

Manuscript reviewer in sociology: Little, Brown & Co., Allyn and Bacon.

Sharon Baker Stichter

### Publications

"Trade Unionism in Kenya, 1947-1952: The Militant Phase". In P. Gutkind and R. Cohen, (eds.), Labour Protest in Africa, Vol. II, Sage Series in African Modernization and Development. Sage Publications, in press.



## SOCIOLOGY CONTINUED 9

"Women in the Labor Force in Kenya, 1895-1945", Rural Africana, 29, Winter, 1976; Reprinted as Discussion Paper No. 236 by the Institute for Development Studies, University of Nairobi, Nairobi, Kenya.

"Imperialism and the 'Labor Aristocracy' in Kenya," Berkeley Journal of Sociology, XXI, 1976-77.

### Continuing work

Article for inclusion in J. Lonsdale and R. van Zwanenberg, eds., The Political Economy of Kenya 1929-1952, in preparation.

Labor in a Peripheral Society: The Development of a Working Class in Kenya, 1895-1975, manuscript in process.

### Grants activities

Research proposal on the effects of industrial employment on women's attitudes and family roles in rural East Africa, in process.

### Presentations

Organised Labor in the Development Process, African Studies/Latin American Studies Meeting, held in Houston, November 2-5, 1977.

Annual Meeting of the African Studies Association, Boston, November 3-6, 1976, for a panel on Protest Movements in East and Central Africa.

### Consultantships/editorial service

A review of P. van den Berghe, Race and Ethnicity in Africa was prepared and appeared in Contemporary Sociology, Vol. 6, No. 4, July 1977.

The Boston area African Economic History Study Group.

Robert S. Weiss

### Publications

Research reports for the Department of Health, Education and Welfare. (National Technical Information Service): A preliminary analysis of Quality of Life data for its implications for single-parenting; A bibliographic review of issues related to the custody of children of divorce; The Single Parent. (A monograph length study of the social and emotional implications of raising children as a single parent.); A proposal for research on the impact of parental separation on the children; issues in the allocation of custody.

"Moving and the single parent," The Single Parent, June, 1976.

"The emotional consequences of marital separation," The Journal of Social Issues, June, 1976.



## SOCIOLOGY CONTINUED 10

### Publications

"Housing for the single parent," to appear in Florence Ladd (editor), Housing and Family Life (tentative title,) being considered by the M.I.T. press.

### Presentations

"The present research situation in relation to children of separation and divorce." Eastern Psychological Association meetings, Boston, April, 1977.

"Research on marital separation: an inventory." American Sociological Association, Chicago, August, 1977.

Main speaker at conference organized by Renew, (Divorced Catholics of New York.) New York City, March, 1977.

### Consultantships/editorial service

A review of The Quality of American Life by Campbell, Converse and Rodgers, in Harvard Educational Review, Winter, 1976.

Member, NIMH Panel, Metropolitan Center.

Man and Environment; Associate Editor,

Social Problems; Associate Editor.

Journal of Divorce

Social Psychology, Referee

American Journal of Sociology.

Robert Wood

### Presentation

"Foreign Aid and Class Formation in Underdeveloped Societies." Presented at the Universiti Sains Malaysia in December, 1976.

### Consultantships/editorial service

Review of Frances Lappe and Joseph Collins' Food First and Susan George's How the Other Half Dies. The review has been accepted for publication in Socialist Review, in press.

Gordon C. Zahn

### Publicaitons

"The Bondage of Liberation", Worldview, March 1977

"The Myth of Sexuality", U.S. Catholic, July, 1977.





SOCIOLOGY CONTINUED 11

"One Man's Files", America, 12/18/76.

Continuing work

"Camp Simon" manuscript, under consideration.

Version of the Jaegerstaetter story intended for a secondary school audience, manuscript submitted.

Presentations

Discussion of the continued influence of Pacem in Terris appeared in National Catholic Reporter symposium on World War II 8/15/77.

"Reflections on the Historical Moment, part of UMB's distinguished lecturer series.

"European Anti-semitism: An Historical Overview:", Stonehill College forum, April 1977.

Discussion panel (3 Sunday broadcasts) for Federated Church of Ashland on WKOK, October 1976.

Consultantships/editorial service

John Toland's Adolf Hitler in America, 3/19/77;

Frederick Spotts, The Churches and Politics in Germany in Journal of Modern History, Sept. 1976.

Contributing Editor, Review of Religious Research.

Elected to Executive Committee, Catholic Commission on Intellectual and Cultural Affairs.



## SPANISH & PORTUGUESE

Clara Estow

### Grants Activities

Applied for a National Endowment for the Humanities Individual Research Grant for 1978-79.

### Presentations

Catalina of Lancaster: Queen of Castile, at the annual conference of the Society for Spanish and Portuguese Historical Studies, March, 1977.

Perspectives of Spanish Queenship at the National Endowment for the Humanities Medieval Seminar at Harvard, April, 1977.

A paper was prepared, entitled "Queenship and Power in Castile of the High Middle Spain", which was to be presented at the Mediterranean Conference in Turin, Italy this September, but unfortunately, the sponsoring institution decided to cancel the conference, due to political turmoil in that area.

Alan Francis

### Publications

La estrategia satirica en el Lazarillo de Luna, Nueva revista de filologia hispanica XXV, 363-74.

### Continuing work

Contract signed with Gredos (Madrid): Picaresca, decadencia, historia (Aproximacion a una realidad historico - literaria).

Ricardo Navas-Ruiz

### Publications

Zaragoza en 1818, Heraldo de Aragón, 1976.

Rivas a Ticknor: una carta inédita, Papeles de sonarmadans, 248, 1976, 137-144.

Mariano José de Larra, Articulos politicos. Edición, introducción y notas (Salamanca, Almar, 1977), LIX.

Ser y estar. El sistema atributivo del espanol (Salamanca, Almar, 1977), 150 pags. Edición renovada.

### Continuing work

Preparation of Perfil de Hispanoamérica, Trayectoria politica de Larra y otros ensayos sobre el XIX, El subjuntivo espanol.



SPANISH & PORTUGUESE CONTINUED 2

Presentations

Series of lectures on the Spanish American Short Story, University of Salamanca, August, 1977.

A lecture in the University of Venice, June, 1977.

Consultantships/editorial service

Named literary advisor to Ediciones Almar, Salamanca, and Director of the Series Patio de Escuelas and Guias Bibliograficas.

Julian Olivares

Publications

Love, Death and Wit in a Sonnet of Quevedo, Revista de estudios hispanicos, in press.

Maria-Luisa Osorio

Publications

¿Come se dice? D.C. Heath, 1977.

Spanish Review Grammar, Second Edition, D.C. Heath, 1977.

Continuing work

The image of women in Spanish Literature (Anthology).

Homenaje a Concha Zardoya. (Special issue of Sin Nombre, San Juan Puerto Rico. Project co-sponsored by the University of Massachusetts)

Consultantships/editorial service

Language Tape Recordings: Directing and recording tapes for: Professional Sound Inc., Boston, Mass.

James Ryan

Continuing work

Working on an advanced textbook on the dilemmas of Spanish for English-speaking students.





Nellie E.E. Sanchez-Arce

Publications

Un éxito dramático de Mira de Amescua: el auto al Nacimiento Pastores de Belén, Studies in Honor of Ruth Lee Kennedy, Estudios Hispanófila, 46, 111-124.

Continuing work

Research in progress on auto al Nacimiento by Mira de Amescua: Sol a Medianoche.

Loretta Slover

Grants Activities

Received an American Association of University Women dissertation fellowship for the academic year 1976-77.

Adorna Walia

Publications

Materials Available for Dissemination-Book Reviews, The Bilingual Journal, 1, No. 3, 1977, 31-34.

Materials Available for Dissemination-Book Reviews, The Bilingual Journal, 1, No. 4, 1977, 26-29.

Continuing work

Did research at Bryn Mawr College Library, Bryn Mawr, Pennsylvania, in February, 1977. Examined the Louise Dillingham Collection of rare Spanish-American books, many dealing with the Spanish period of expansion, exploration, conquest of the Americas and colonization.

Consultantships/editorial service

Contacted by John C. Molina, Director, Office of Bilingual Education, Office of Education, Department of Health, Education, and Welfare, Washington, D.C. requesting review of proposals for bilingual programs.



## STUDY OF RELIGION

Richard A. Horsley

### Publications

The Law of Nature in Cicero and Philo. Harvard Theological Review, in press.

Gnosis in Corinth: 1 Corinthians 8:1-6. New Testament Studies, in press.

How can Some of You Say, 'There is No Resurrection of the Dead?': Spiritual Elitism in Corinth, Novum Testamentum 1977 forthcoming.

The Background of the Confessional Formula in 1 Corinthians 8:6, Zeitschrift für die Neutestamentliche Wissenschaft (1977) forthcoming.

Gnosis in Corinth: 1 Corinthians 8:1-6, New Testament Studies forthcoming

Spiritual Marriage with Sophia, Vigiliae Christianae (1977) forthcoming.

Josephus and the Bandits, Journal for the Study of Judaism, forthcoming

### Continuing work

The Jewish Revolt against Rome, 66-70, draft of an extensive analysis of the background, participants, and leadership.

Two types of popular prophets -- draft of a paper.

Popular Messiahs.

Who Were the Witches?--Some Tentative Suggestions, a lengthy paper analyzing theoretical issues and surveying evidence on the special roles of women accused of witchcraft in the European witch hunts.

Adam and Eve: Can this Story be Saved,

European Folk-Religion and the Great Witch Hunts, under review.

The Sicarii: Ancient Jewish Terrorists, under review.

Conscience and Freedom among the Corinthians, Catholic Biblical Quarterly, under review.

History and Symbol in 1 Corinthians 10:1-13, Journal of Biblical Literature, under review.

Additional research on (a) the Law of Nature and on natural rights: and on (b) recent writing in medical ethics.

### Presentations

"Jewish Banditry in Josephus and the Gospels". Paper delivered as the program at a meeting of the New Testament scholars of the Boston Theological Institute consortium of theological schools in the Boston area.

Women Wise and Wicked: Who Were the Witches, Paper delivered at the annual meeting of the American Academy of Religion, October, 1977.

Joanne Punzo Waghorne

### Continuing work



## STUDY OF RELIGION CONTINUED 2

Outside the Garden--Myth in an Imperfect World, which centers on aesthetic criticism and the Genesis myths in the Old Testament,

Imitation and Repetition, a study of the basic forms of myth known to Plato in his aesthetic theories.

Proposal on The Life of the Earth and the Lord of Darkness: A Study of South Indian Kingship in a Native State of Madras.

### Grants Activities

Continued the research                      conducted last summer in the India Office Library, London, under a Faculty Development Grant.





## THEATRE ARTS

William Roberts

### Continuing work

"The Second Alburn" and "Grownups"; short stories written last year and represented by Gilbert Parcier of the Curtis-Brown Agency, N.Y., N.Y., now under consideration by The New Yorker MacAune.

Two new stories, "Hi Ron Baby" and "The Diving Officer at Enwatok".

From script, "My Mother Dancing", still under option to independent producer John Van Eyssen, who hopes to set up a production with Clive Donner (Director of Film of Piater's "The Caretaker")

### Exhibitions/Performances

Developed and directed "We'll Here", an evening of Kurt Weill's and American Songs. Performed for the university community in May, 1977, by students and rehearsed outside class hours.

Co-directed "Love Round", a musical revue using students in the summer musical workshop, and performed for the university community in July, 1977.

Gail VanVoorhis

### Exhibitions/Performances

Director and Choreographer of "Love Round", summer 1977 at U.Mass; an evening of songs for men and women with a cast from Musical Theatre Workshop and summer session students.

Director and Choreographer of "Sweeney Agonistes", January 1977 at U.Mass an entertainment by T.S. Eliot with music by John Dankworth. The cast included U.Mass students and a jazz ensemble from the New England Conservatory of Music.

Scenic and Lighting design; "Tell Me A Riddle", April 1977 at Caravan Theatre; the premiere production directed by Bobbi Ausubel.

Scenic and Lighting Design; "Hold It and Roll It", February 1977 at U.Mass; a program of dances by Susan Rose and Joy Kellman, with their professional dance company.

Graphic Designs; "Love Round".

Graphic Designs; "Sweeney Agonistes"

Principal Designer and Technical Director; "The Creation", May 1977 at U.Mass; the Music Department production of the Hayden oratorio.



THEATRE ARTS CONTINUED 2

Principal Designer and Technical Director; Danceworks of Boston, since 1975; a school for and company of professional dancers.

Graphic design; "Hold It and Roll It"



## WOMEN'S STUDIES

Jean McMahon Humez

### Continuing Work

Research on the visionary artists themselves in the two communities of Hancock, Massachusetts, and New Lebanon, New York, during the first half of the nineteenth century.

Bibliography for the use of teachers of similar interdisciplinary courses in other colleges and universities, for distribution at this Conference and by request from Programs reading the New England Women's Studies Association Newsletter.

Panel entitled "Anonymous Was a Woman: Women and the Arts, was made at the First Regional Conference of the New England Women's Studies Association, held at Salem State College (April 16, 1977).





## Publications and Professional Activity

### CPCS Faculty and Staff

The following is a compilation of the publications and professional activity of CPCS faculty and staff. Because of the timing of the request for this information, everyone is not included. The listing does provide, however, a sense of the variety and depth of the research and professional work of College personnel. In keeping with the intentions of the Trustees in T-76-081, CPCS values professional activity -- both as a source of strength to its teaching program and as a stimulus to the growth of faculty -- in the same way that it views more traditional research and publications.

Barbara Buchanan    Member, Council on Higher Education for Urban Women

Member, Executive Office of Human Services, Taskforce  
on Training and Retraining

Vice President, WINNERS, Women's Inner-City Educational  
Resource Service

Advisory Committee Member, Cambridge Training Resources

Speaking engagements at Cape Cod Community College,  
Temple Israel, HEW, State Street Bank and the Women's  
Career Project, Northeastern University

F. Coit Butler    "The Major Factors That Affect Learning: A Cognitive  
Process Model"  
Educational Technology, September 1977

"The Concept of Competence: An Operational Definition"  
Educational Technology, January 1978

Member, National Taskforce on Competence-Based  
Certification of Mental Health/Human Services Workers.  
Delivered papers on "Levels of Competence" and on  
"A Process for Certifying Competence Derived from Field  
Experience" at Taskforce meetings

Gave workshop on "Concept of Competence" to training  
directors of the North Carolina Department of Mental  
Health

As a member of Board of Visitors spent two days  
developing evaluation report for Lincoln University -  
Eagleville, Ill. competence-based Masters Degree program  
in mental health

Carmen Dillon    Pine Manor Junior College, Brookline, Ma. -- Massachusetts  
Association of Women Deans and Counselors, Inc.,  
Discussion Group Leader



Attendant, National Training Laboratory Institute,  
Bethel, Me.

Attendant, N.E. Minority Women Administrators  
Conference, Brown University, Providence, R.I.

Graduate, Institute for Educational Management,  
Harvard University, Cambridge, Ma., six week  
intensive residential summer program (July/August 1978)

Patricia Fleming    Revised dissertation manuscript in preparation for  
publication

Consultant with Director of Community Health Education,  
Mt. Auburn Hospital, concerning the feasibility and  
usefulness of an ethnographic survey of populations  
served by the hospital

Ann Fowler        Presented a paper at the Society for Field Experience  
Education conference in Indianapolis, Ind. with  
Barbara Buchanan

Carried a small caseload of counseling clients

Evaluated (full psychological battery) public school  
students under 766 for Human Resources Institute, Malden,  
Ma.

James Green        PhD dissertation is scheduled for publication by the  
Louisiana State University Press in June, 1978. The book,  
entitled Grass-Roots Socialism: Radical Movements in the  
Southwest, 1895-1943, has been nominated for the Frederick  
Jackson Turner Award granted by the Organization of  
American Historians to the best book published each year  
based upon a PhD dissertation.

Short history of labor movements in Boston, entitled  
Boston's Workers: A Labor History, is scheduled for  
publication by the Boston Public Library, in the fall of  
1978. The book is based upon a series of lectures  
delivered at the Library in the spring of 1977 at the  
BPL as part of the NEH Learning Library Program.

Co-author, "Busing and the Crisis of Race Relations in  
Boston" scheduled for publication in New Perspectives on  
Urban Political Economy edited by William Tabb and  
Lawrence Sawyer for Oxford University Press.

Advisor and discussion leader for the film makers who  
produced "A Minor Altercation" — an NEH funded film about  
the Boston busing crisis

Advisor (or "academic humanist") for NEH project,  
"Communities in Crisis" whose director is producing a  
series of slide-tape presentations on the history and  
politics of racial and ethnic conflict in Boston.



Now writing a labor history text book for Hill & Wang to be entitled The World of the Worker: Labor in 20th. Century America, scheduled for publication in the fall of 1978. In this connection I have written a long article on the problems of writing labor history in the U.S. which will appear in the British journal History Workshop (Oxford) and the French journal Le Mouvement Social (Paris).

Editor, Radical America published bi-monthly in Cambridge, Ma. At the moment my editorial work involves an oral history I am conducting about a 1975 strike in the General Electrical River Works at Lynn, Ma.

Phil Hart

Staff consultant, Corporation for Public Broadcasting, Washington, D.C. in employment survey, management survey and program content analysis for national public television and radio. Under auspices of Minority Taskforce with CPB publication due for a fall 1978 release

Co-host, 13 week radio series on WBUR-FM (Boston University) sponsored by Massachusetts Foundation for Humanities and Public Policy and Southwest Corridor Coalition. Program entitled "Urban Land for Urban People"

Statistical consultant and co-author in NIMH funded research project on "Health Needs of Urban Blacks". Publication of monograph in spring 1978

Writer/Editor for final report on industrial park feasibility in Boston's Southwest Corridor area. Publication is due out in fall 1978

Consultant to Community Development Corporation of Boston's efforts to secure manufacturing tenants in Cross Town Industrial Park

Meetings with CBS Office of Social Research staff, New York City, in possible funding of research proposal dealing with television and reality perception by SES variables

Advisory Board, Community Economics Learning Center, University of Massachusetts/Boston

Advisor to Caribbean Center for Understanding Media (CCUM), U.S. Virgin Islands

Continued work on proposed publication, "Community Planning and Industrial Development" which I hope to publish by 1980

Research Advisor to Solomon Fuller Institute, Cambridge, Ma. Co-investigator in several research proposals

Principal Investigator, Transportation control study, UMass/Boston

Nancy Hoffman

"Women's Studies: Seven Years Later"  
Radical Teacher, Winter 1978





Spenser's Pastorals  
Johns Hopkins Press, Fall 1977

Working Women: Stories and Poems  
Collected and edited with Florence Howe, Feminist Press,  
August 1978

In preparation: Woman's True Profession: A Documentary  
History of Women Common School Teachers  
Feminist Press, January 1979

Evaluation - Accreditation visit Franconia College -  
November 1977 N.E. Association of Schools and Colleges

With CPCS students, "But Can They Read" for City-Wide  
Educational Coalition. Also workshops on Boston's reading  
programs in city organizations

Richard Hogarty Directed the General Court Staff Fellowship Program, which  
is jointly sponsored by the Massachusetts Legislature and  
the University. The purpose of the program is to provide  
in-service training for legislative staff employees

Case study for the Citizen's Legislative Seminars, The  
Dilemma of Financial Disclosure, which focused on the  
politics surrounding the adoption of the new code of  
ethical law in Massachusetts

Participant, Harvard University conference for Massachusetts  
city councillors, 14-15 April 1978. The conference was  
sponsored by the Kennedy Institute of Politics and the  
Massachusetts League of Cities and Towns

Member, Policy Board for the Boston Urban Observatory.  
Provided technical assistance to the City of Boston in the  
policy areas of housing, transportation, school department  
reorganization, elderly needs, job creation, and youth services

Television guest panelist, Channel 5 WCVB's "Sunday Open  
House", 11 June 1978. The topic of discussion was the new  
code of ethics law in Massachusetts

Brad Honoroff Handled 22 cases through the Community Advocates Law Office

Conducted training sessions in Truth-in-Lending law for  
the Boston Bar Association Volunteer Lawyers Project

Spoke at the Center for Adult Education (a Title I sponsored  
project) in Vermont on the development of the Land Trust  
legislation in Massachusetts. Key member of the research  
team developing the Trust concept in Massachusetts

Daisy Janey Handled about 20 cases through the Community Advocates Law  
Office

Staffed training sessions for Greater Boston Legal Services  
in the area of Supplemental Security Income (SSI)



Developed parts of a publication, Maximizing Income Resources ("Big Max") which was written by a number of faculty and students in the Law Center. This publication is now regularly used by a number of legal services agencies in the state for its lawyer and paralegal training

Prepared training material on bankruptcy law to be used for lawyers working for the Boston Bar Association Volunteer Lawyers Project, in a program sponsored by the Massachusetts Continuing Legal Education/New England Law Institute

Carter Jefferson Consultant to Family Life Apostolate, Archdiocese of Boston, Roman Catholic Church, June 1978

On Family Sculpture - Workshop, three hours, at annual meeting of Massachusetts Psychological Association, 12 May 1978 - Co-leader

Basic Communications course for employees of Boston Environmental Health Improvement Program, Boston City Hospital, four three-hour sessions, 8-18 May 1978 (with Lucy Jefferson)

On Family Sculpture - Workshop for social work interns, Tufts New England Medical Center, 21 April 1978 - Co-leader

Couples Workshop - Day-long, for students of Boston Family Institute and spouses, co-led with three others, 9 April 1978

On Family Sculpture - Workshop for 27 staff members and other mental health workers from local agencies, Orlando Regional Medical Center, Orange Memorial Hospital Mental Health Center, Orlando, Florida, 31 March 1978 - Co-leader - day long

Television appearance on "Woman '78" Channel 4, Boston, Discussion of "cabin fever" during blizzard of '78, 10 February 1978

Newspaper article (with Lucy Jefferson), "Forced Intimacy Can Drive Families Apart" Boston Globe (morning edition) 10 February 1978

Ministers and Mates - Couples workshop for ministerial association, Ballou-Channing district, Unitarian Church, New Bedford, Ma., one full day, co-led with Lucy Jefferson, 29 October 1977

On Learning Styles - Workshop for fifteen students and faculty members at UMass/Boston, two half-day sessions, co-led with Bunny S. Duhl, 21 and 28 October 1977

Television appearance on "Womankind", Channel 7, Boston - Discussion of unmarried couples, their problems, some aspects of therapeutic work with them, 25 September 1977



David Matz

Developed a number of short term legal education programs for different agencies. These included consumer training for the staff of ABCD neighborhood agencies, landlord/tenant training for the Community Economic Fellows studying at College III, mediation training for public housing tenants serving on grievance panels

Helped draft, critique and lobby extensively for legislation concerning prepaid legal insurance. Then did the same with the creation of the Governor's Advisory Committee on legal insurance and on the development of the regulations for it

Chaired various meetings of the Northeast Association of Paralegal Educators

Served on the Board of Greater Boston Legal Services

Served on the Alliance of Paralegal and Consumer interests

David Rubin

Prepared with Loretta Cedrone, proposal and program presentation for annual fall meeting of the Council for the Advancement of Experiential Learning in San Francisco, October 1977. Program entitled, "Training Faculty to Enable Adults to Gain Credit for Experiential Learning In A Competence-Based Curriculum", October 1977

Presented with Barbara Buchanan a program for spring 1978 Conference of Region II Association for Continuing Higher Education System and State University of New York. Presentation entitled "Adult Learners/Workers in Competency-Based Field Education", March 1978

College English Association Consultant to Wheaton College. Presented paper entitled "Writing Across the Curriculum" concerned with developing interdisciplinary writing program, June 1978

Requested as writing program consultant by Knoxville College, Knoxville, Ky. consultation delayed due to poor weather/travel conditions

Gary Siperstein

Chairman, Paraprofessional Training Liaison Group, Special Education Manpower Project, Division of Special Education of the Commonwealth of Massachusetts

Member, Regular Education In-Service Taskforce, Division of Special Education of the Commonwealth of Massachusetts

Field Reviewer, U.S. Office of Education, Bureau of Education for the Handicapped

Member, Dissertation Committees: Department of Psychology, Yeshiva University, New York





Grant Award, U.S. Office of Education, Bureau of Education for the Handicapped: "Investigation of factors mediating childrens first impression of handicapped peers" 9/77-7/79

Learning Among Mentally Retarded. International Encyclopedia of Psychiatry, Psychology, Psychoanalysis and Neurology. B.B. Wolman (Ed.) 1977 Vol.1, 381-387

Low-income Children's Attitudes Toward the Mentally Retarded: Effects of Labeling and Academic Behavior. American Journal of Mental Deficiency, 1978, 82, 474-479

Social Status of Learning Disabled Children. Journal of Learning Disabilities, 1978, 11, 49-53

Parents' and Teachers' Attitudes Toward Mildly and Severely Retarded Children. Mental Retardation, 1978

Michael Stone

"How Bankers Engineer Economic Policy" In The Real Paper 10 September 1977 (co-authored with Emily Paradise Achtenberg)

"Gimme Shelter! Housing and the Crisis of American Capitalism" In U.S. Capitalism in Crisis. New York: Union for Radical Political Economics, 1978

"Housing, Mortgage Lending, and the Contradictions of Capitalism" In Marxism and the Metropolis. Edited by William K. Tabb and Larry Sawers. New York: Oxford University Press, 1978

"A Home for Everybody" In Your Money and Your Life, Washington, D.C. Institute for Policy Studies, 1978 (co-authored with Chester Hartman)

"Housing: A Socialist Alternative". The Federal Budget and Social Reconstruction. Edited by Marcus G. Raskin, et al. New Brunswick, N.J., Transaction Books, 1978

(In addition, the following two articles which had previously been published in journals were reprinted in books:)

"Mortgage Bankers and the Politics of Housing". In Problems in Political Economy: An Urban Perspective. 2nd. edition.

Edited by David M. Gordon. Lexington, Ma., D.C. Heath and Co., 1977

"The Housing Crisis, Mortgage Lending, and Class Struggle". In Radical Geography. Edited by Richard Peet. Chicago, Maaroufa Press, 1977

Continued my on-going research on "shelter poverty", a new approach I have devised to the income/housing cost problem. A written report is in preparation on the research, which should be completed during the fall of 1978.



National Lawyers Guild regional training conference:  
member of keynote panel and leader of workshop on FHA multi-family housing.

Boston University, Urban Affairs Program, Prof. Jon Pynoos' housing course: guest lecture on the federal government and housing finance

UMass/Boston, Kirsch Association for Marxist Studies: seminar on "The Housing Question: Marxist Analysis and Socialist Strategy"

Symphony Tenants Organizing Project, Boston: workshop on housing finance for VISTA workers

UMass/Boston, Community Economics Learning Center: seminar on the housing problem and tenant organizing

Lawsuit by low-income Boston homeowners against the City of Boston regarding property tax assessments: on-going technical assistance to the Greater Boston Legal Services Attorneys representing the homeowners

Founding member, Boston Urban Analysis Group, activist research group oriented toward research and action around Boston's economy and job patterns

Clark Taylor

Chairperson, State Mobile Homes Commission, a body consisting of five commissioners appointed by the Governor. Developed a market survey for mobile homes and a series of issue papers in the areas of taxation, finance, zoning, construction standards and design. These, along with a brochure currently being produced, will be the basis for a massive educational effort regarding myths and realities about mobile homes as a viable housing use for a significant segment of the population

Member, United Way allocations committee dealing with Community Organizations and Special Services. The committee reviews the goals and performance of eleven agencies. Based on careful evaluation of the agency the committee recommends funding on an annual basis. Agencies reviewed by the committee include Citizens Housing and Planning Association, Massachusetts Advocacy Center, Greater Boston Legal services and the Boston Urban League, among others. The services provided by these agencies are directly related to the purposes of CPCS and the Community Change and Housing Center

Member, UMB Long Range Planning Committee. In one sense this activity can be seen as service to the University. In another sense, however, my work with the committee can be clearly categorized as professional activity. The task of the committee is to develop plans for UMB as an urban public university. My training and experience as an urban



planner have been directly utilized in that enterprise. I feel that the work of the group is so important to the future of the University that I have given it priority over other activities in my professional life

Planner and trainer with a program of the Boston City Missionary Society that helps city churches become more effective in serving their local communities

Carol Upshur

Organized and conducted an evaluation workshop attended by representatives of 35 agencies and held at CPCS in November of 1977

Consultant to Contract Research, a private Cambridge firm working on a project dealing with the status of juvenile offenders

Program consultant to the Bureau of Developmental Disabilities Respite Care Policy Project for the period November 1977-September 1978

Court-appointed program expert to the U.S. Federal District Court to work on a class action suit in the mental health field. She will work with the Mental Patients Advocacy Project, a program of Western Mass. Legal Services, on a case against the Mass. Department of Mental Health regarding the violation of patients rights at Northampton State Hospital. Appointed 20 March 1978

Elaine Werby

Consultant, Boston Housing Authority/West Roxbury Taskforce, Inc., under contract with the Boston Urban Observatory

Consultant, Social Planning Department, combined Jewish Philanthropies, consultant services in social planning and housing

Consultant, Associated Jewish Community Centers of Greater Boston, prepared and conducted workshop on program evaluation for professional staff

Moderator, workshop on Welfare: The Myth and the Realities, Sponsored by the Family Service Association of Greater Boston, February 1978

Panelist, program on Organizing to Correct Housing Problems, sponsored by New London, Connecticut Organizing Collective, April 1978

Discussant, Subsidized Housing Programs, Mass. Civic League, April 1978

Workshop leader, Workshop of Program Evaluation, CPCS, November 1977





Member, Modernization Advisory Committee, Mass. Department of Community Affairs

Chairperson, Professional Advisory Committee, Brookline Association for Mental Health

Chairperson, Mass. Home Mortgage Finance Agency

Member, Bromley-Heath Tenant Management Corp.

Member, Social Advocacy Committee, Family Service Association of Greater Boston

Ann Withorn

Co-author of an invitational monograph prepared for the Office of Planning and Evaluation, DHEW, "Analysis of Federally Supported Social Services: Options and Directions", September 1977 with Robert Morris and Ilana Leschoier, Levinson Policy Institute, Brandeis University

"Surviving as a Radical Service Worker" Radical America, Vol. 12 No. 4

"Review of Political Language" - Social Work, summer, 1978

To Serve The People: An Inquiry Into the Success of Service Delivery as a Social Movement Strategy (PhD. dissertation) June 1977

Speaker on "The Future of Social Services" to the Mass. Coalition of Human Service Providers, March 1978

Consultant/trainer to the Office for Children staff on "Unionization and Child Advocates", July 1978

Humanist/consultant to two projects funded by the Mass. Foundation for the Humanities and Public Policy, the Boston Community School and the Elizabeth Peabody House, Somerville, Ma.



Representative List of Professional Activities  
of  
The Faculty of the College of Professional Studies, 1977-78

This list is not meant to represent the full range of professional activity, but was collected from those faculty who were available during the month of June.

Associate Professor, KENT CHABOTAR, was the Principal Investigator on a project to develop a needs assessment survey instrument for the U.S. Civil Service Commission. Mr. Chabotar was also the Director of Analysis for a study of the Research and Development Utilization Program for the National Institute of Education. In addition, Mr. Chabotar co-authored two publications for the U.S. Department of Labor and U.S. Law Enforcement Assistance Administration and authored two research reports; Mr. Chabotar also addressed the National Conference on Public Personnel Administration.

Lecturer, CANDACE HETZNER, worked this year on the completion of a dissertation entitled Justifying the Public Interest and the revision of three articles for publication: "The Labour Party and Civil Service Reform in the United Kingdom", "The Correlativity of Rights and Obligations", and "Linguistic Shifts: The Public Interest and Modern Public Policy."

Professor PEARSON HUNT completed the text of A New Introcutiion to Accounting, published in January 1978 and has begun work on classroom materials for this text. Dr. Hunt also served as the Chairperson of the University Assembly, which this year proposed a revised constitution and worked on the Statement of Rights and Responsibilities of members of the University.

Assistant Professor NORMAN KLEIN gave a reading of Shakespeare's sonnets at the Sandwich Public Library on the occasion of Shakespeare's birthday and assisted in the American Friends Service Committee's research project on the Wampanoag native Americans and the town of Mashpee. He attended a conference on the teaching of writing and math skills at C.P.C.S. and authored an article, "A Yankee Town Takes on the Air Force", to be published in The Nation in July, 1978.

Distinguished Senior Lecturer MARY NEWMAN chaired the Advisory Committee on Occupational Education in the Cambridge Public Schools and was elected to the Executive Committee of the Massachusetts Taxpayers' Foundation.

Professor ARNOLD OLENICK authored an article appearing in the Massachusetts CPA Review entitled "When the Public is the Client". He organized and directed the UMB/Columbia Point Tax Assistance Project and participated in conferences sponsored by Massachusetts Accountants for the Public Interest, and was elected to the Board of Directors of that group. Professor Olenick addressed the conference of the American Accounting Association and the Connecticut Chapter of the Tax Executive Institute. He was elected a fellow of the Massachusetts Society of CPAs and serves on its Committee on Relations with Educational Institutions.



## College of Professional Studies (Continued)

Associate Professor JOHN PAPAGEORGIOU authored six articles for publication and continued work on a monograph to be published by Charles C. Thomas. He served as editor and reviewer for several journals and continued membership in six professional organizations. Dr. Papageorgiou chaired panels at the National Meeting of the Institute for Decision Sciences and the Joint National Meeting of the Institute of Management Sciences and of the Operations Research Society of America.

Lecturer WILLIAM SELTZ served as a consultant to the Diet Workshop, Inc. and continued studies in the doctoral program of the Graduate School of Management at Boston University. Mr. Seltz, as a member of the U.S. Army Reserve, taught quantitative methods at the United States Military Academy.

Assistant Professor JOAN TONN served as the coordinator of the Fiscal Management Unit of the Administrative Skills Program for Women in Higher Education sponsored by Project HERS - New England. She was a faculty member and consultant to the Summer Institute for Women in Higher Education Administration at Bryn Mawr College. Dr. Tonn also presented papers at the National Meeting of the Association for Institutional Research. Dr. Tonn also presented papers at the National Meeting of the American Society for Public Administrators and the National Meeting of the Association for Institutional Research.





## STUDENT AFFAIRS

The primary focus for the past year was to improve the efficiency in the delivery of student services, establish a comprehensive University-wide Counseling Program, re-establish Placement Services as an important activity for our students and alumni, and to move the entire area of Student Affairs toward a learning reinforcement system.

Priority was also given to the development of inter-departmental communication, institutional cooperation, and professional development of individual staff members through regular departmental meetings and a multi-campus Student Affairs Retreat. During these activities, members of the professional staff experienced sessions on resource sharing, network building and information systems. The Student Affairs staff actively participated individually in an impressive variety of professional activities ranging from publishing and presenting papers at major professional conferences, to assuming leadership positions in regional, state and national organizations.

In addition, the Vice Chancellor for Student Affairs appointed a review and planning committee to properly develop long-range plans for the Division. This Committee is charged with the responsibility of collectively reviewing the Division's operations and to develop a comprehensive five year plan for Student Services. Progress to this point includes an historical analysis of the area, an assessment of the staffing and budget patterns, and a systematic appraisal of student needs and expectations.

### Financial Aid

The Financial Aid Office received and expended approximately \$4.6 million in state, federal and private funds during FY 1978. Three thousand one hundred and sixty-eight plus students received some type of financial assistance from the University of Massachusetts/Boston. We processed well over 4,500 applications for financial aid.

This year, the University was faced with its first deficit in financial aid funds created by an overexpenditure of College Work Study funds, National Direct Student Loan funds and various grant funds by the Amherst Campus. Consequently, the Boston Campus had to forego making new awards for the second semester of the 1977-78 academic year. This deficit also adversely impacted our Summer School Program (last year we awarded approximately \$35,000 and this year \$7,000) as well as the Summer College Work Study Program. In the past, with a residue of current year funding, the office has been able to start the Summer College Work Study Program by mid-late May. This year the residue had to be returned to the general pool to help in dwindling the huge deficit created by Amherst. Thus, the office was not able to begin the summer work study program until July 3 of the new fiscal year.



In the area of management information systems, the Financial Aid office has been in the process of converting from a batch processing system to an on-line processing system. An additional C.R.T. tube was required in order to carry out this function. The on-line processing system has yet to be totally debugged, thus conversion has been tremendously problematic. It is quite clear, however, that the office will need additional personnel, both professional and clerical if they are to install and utilize this new procedure to its fullest capacity. The fact that inputting of each student's record is done from that office has created an almost unbearable burden on the current staff. In many cases, it has necessitated twelve-hour work days for both clerical and professional staff.

Processing of applications for FY 1979 has been complicated by the installation of the new Financial Aid process of Single Data Entry Form application procedure. This new procedure allowed students this year to submit one needs-analysis document allowing each student to be considered for federal, state as well as institutional funds. This new procedure has not only complicated the award process for UMB, but for all colleges and universities across the country.

### Health Services

The total number of visits to the Health Service in fiscal 1977-78 was 12,454. Additionally, there were 10,386 encounters in the Center for Alternatives and 8,663 encounters in the Human Sexuality Center. Included in the total visits figure were 8,894 general medical, 1,832 gynecologic, 1,292 mental health and 436 administrative.

The 12,454 visits to the Health Service were made by 3,565 patients. That means that each person on the average made 3.49 visits during the year. When looked at by problem type, those patients with general medical problems made 3.23 visits each, those with gynecological problems made 5.56 visits each, those with mental health problems made 9.09 visits each and those with administrative problems made 1.27 visits each.

A breakdown of the visits by university status shows that 11,160 (89.6%) of the visits were made by students and 920 (7.4%) by employees, 220 (1.8%) by faculty, 128 (1%) by staff and 25 (.2%) by others.

With respect to visit site, 10,813 visits (86.8%) were made during the day in the main facility at the Harbor Campus, 111 (.9%) at the Harbor Campus at night and 1,531 (12.3%) at the Satellite Clinic in Park Square.

The average number of visits per class day was 70.36 and the average number of visits for each day the Health Service was open was 52.11. The Health Service was open 239 days during the year, 177 of which were class days.



Laboratory tests done during the year totalled 4,756, 1,996 on campus and 2,760 off campus. When that total figure is viewed relative to the total number of general medical and gynecologic patients, it is seen that each patient received on the average 1.54 tests.

The 3,200 students using the Health Service during fiscal 1977-78 represented 43% of the potential student user group. This is based on an average head count for the year of 7,432 students. Of the user group, 50% indicated they had purchased the UMB optional health insurance plan, 32% indicated they were covered by some other health insurance plan and 18% indicated no coverage at all. Thirty-five percent indicated that they lived with their parents and 33% indicated that they had private physicians in the local community.

Distribution of the total statistics indicate also that 55.5% of the total users of the Health Service were women who accounted for 65.4% of the total visits. Still other distributions indicated that the 10 reasons or conditions for which students visited the Health Service most frequently were: health counseling and advice, viral upper respiratory infection, birth control devices and/or medication, sprains/strains/contusions, vaginitis, headaches, wounds, cystitis, pharyngitis and hypertension.

While consistently providing high quality care, the Health Service also accomplished or participated in many other related efforts. Some of the major ones were the following:

Following much discussion and many site visits to observe various types of medical records systems, action was taken finally in the fall of 1977 to convert the inadequate alphabetized medical records filing and cross reference system of the Health Service to a numeric one. To accomplish that, it was necessary to purchase new filing cabinets, new medical records folders, a carousel cross reference unit as well as many accessories.

It was during fiscal 1977-78 that the Health Service made substantial strides in compiling a Policy/Procedural Manual. Included in the manual is a clear statement on the Health Service Organization, its major divisions, objectives and personnel types.

Utilizing a publications person from off campus, the Health Service designed and introduced for the first time a brochure on its total operation. It was disseminated in the fall of 1977 to all registered students.

With the assistance of the consulting pharmacist a continuing inventory program was developed for the Health Service which makes possible stringent controls of all medical/surgical/laboratory supplies, pharmaceuticals and equipment items purchased by the Health Service. The program is under the coordination of the business manager for the Health Service.





An old form which was produced by the Health Service at the Amherst campus primarily for that Service was revised in fiscal year 1977-78 and made simpler and more adequate to meet the needs here at UMass/Boston. Also, because the new Director of Admissions for the campus did not feel that that office should continue to send out the Health History and Medical Evaluation Forms, the Health Service assumed that responsibility for the first time and posted the form to all students accepted for admission at UMass/Boston next fall.

An alliance was established during the year with the area-wide sickle cell anemia center located at Boston City Hospital whereby black and other minority students at UMass/Boston can be screened on campus or in-town for sickle cell anemia. All supplies required for this program and counseling services are provided by the area-wide center.

Through the joint effort of the nursing staff and the Human Sexuality Center, a new program was started during the year for women students on campus. It is a three stage program which includes first a pre-gyn workshop where women are given general information about health care; second, a visit with the gyn nurse and third, a visit with the gynecologist on staff.

Following the discovery of lead paint in the facility at 100 Arlington Street where the Satellite Day Care Program for the campus is located, they joined with a representative of the Public Health Department in screening all children in the Day Care Program on campus for lead poisoning.

At the same time the part-time laboratory technician was made full-time, an order was placed with the Physical Plant Department for the remodeling of the small laboratory in the Health Service to more adequately meet the needs of the technician. That job was accomplished at the same time the new medical records filing system was installed.

After using the same company to administer the UMB student optional health insurance plan for several years, the Health Service felt a rather extreme need to test the market to see if the plan could be purchased through some other company more inexpensively. Bid specifications were produced last spring and submitted to six companies, three of which responded. Following review of the responses, the decision was to continue with the Fred S. James Company.

Two new efforts were initiated by the mental health staff both of which were well accepted by the student body. One was an arrangement whereby students could drop by the Health Service without appointments during a designated period each day for short visits with mental health workers and the other was a running therapy group.

The Health Service participated in a study conducted by the Medical Foundation of Boston on the use of alcohol by college students. It submitted for the study the names of 400 UMB students randomly selected and participated in the symposium at which the final report of the study was presented to representatives from the 34 participating colleges.



The Emergency Care Training Program was an effort coordinated again in fiscal 1977-78 by a trained work study student. The focus of the effort was on the continual running of CPR and basic and advanced first aid programs.

The Human Sexuality Center was successful in getting the College of Public and Community Services to grant 20 competencies to student staff. The Center also got the College of Arts and Sciences to give credits to three members of the staff through the Women's Studies Department and to several other members through the Psychology Department.

Following the mid-year budget review which revealed that a drop in student enrollment was producing a significant drop in Health Service income for the year, a cost containment program was initiated in the Health Service which resulted in cost savings during the remainder of the year of approximately \$21,000.

The Health Service budget for fiscal 1977-78 was set at \$391,470. However, because student enrollments during the year did not meet the projections publicized by the campus on which the budget was based, the total income estimate at mid-year was adjusted to \$344,000 and the actual total income was \$347,000. And, in spite of the drastic cost containment measures put in action during the second half of the year, actual total expenditures for the year amounted to \$369,000.

To make up for the income deficit, the \$83,000 reserve fund the Health Service had at the beginning of the year was reduced by \$22,000 rather than by the \$10,000 amount shown in the submitted budget for the year.

The most significant expenditures were in the 02 account (52%) and the 03 account (37%). It is also worth noting that \$8,000 worth of equipment was purchased (the first such purchase since the Health Service has been operational at UMB) and that the University assessed the Health Service a malpractice insurance premium of \$2,300.

An analysis of total net income shows that 87% was fee income during the academic year (81% from full-time students and 6% from part-time students), 5% was fee income during the summer and 2% was direct fee for service income (from students and third party payers). As already indicated, the 6% deficit amount was taken from the Trust Fund reserves.

### Athletics

The implementation of the Athletic Trust Fund has proven to be a vital asset to the Athletic Department. It has enabled us to expand all our programs, do more effective planning and programming and to more adequately meet the needs and desires of the students. This should not be construed to mean that this fund is adequate to maintain the athletic-recreation-leisure time program of the University. In reality, this should be supplemented by adequate University funding in specified areas.



The College of Public and Community Services requested that certain pieces of equipment be provided on site at 100 Arlington Street. This has been approved by the Athletic Committee and \$7,000 was set aside in the budget. As soon as the areas have been prepared at 100 Arlington Street, the equipment will be purchased and installed.

The varsity or intercollegiate program expansion is now in process both in the areas of planning and activity in anticipation of moving into the new facility. Our current plan is to structure a program that can be carried on essentially on campus, and thus, serve as a medium of attachment to the campus for students, faculty, staff and community.

Community programs are scheduled essentially on Tuesday and Thursday evenings during the academic year plus afternoon use of the pool during the summer.

Activities and schedules were expanded this year in order to provide opportunities for recreation in the Extended Day Program. An additional supervisor was added to oversee this phase of the program. This program has served the Extended Day student very well.

An additional women's program was introduced this year to expand the offerings to women in the area of their particular interests. This program was under the supervision of Nancy O'Neil, Coach. From a small beginning it is felt that the program will expand to provide for the special needs and interests of women.

Construction began in March on the new Physical Education Complex and is progressing well. Barring strikes and material shortages and assuming all goes well, the building is scheduled to open in October of 1979. This will house the greater part of our athletic, recreation, sports and leisure time programs. This should enhance the attractiveness of the campus immensely.

#### Special Support Services

##### Child Care:

The Child Care area had success or made significant progress this year in the following areas:

Participated in workshops designed to familiarize staff with the Educational Development Corporation curriculum. This curriculum is used in high schools to ready young people for parenting and to teach them about and help them explore their own development by working with and observing the development of young children;

Using the EDC curriculum Child Care has worked with the ILT and South Boston High School as a field site for the program. This involved working with 15 South Boston High students this past year and our teachers helping to teach the academic component of the program at South Boston High. Next year the EDC program will be open to more South Boston High students and the Center will be increasingly involved;





The Center plans to increase their enrollment in the Preschool Unit this year from 35 to 50. Increased staffing has made it possible to have 35 children all together in this Unit. Their waiting list will then be somewhat decreased. Presently, the waiting list totals 70--30 in the Toddler unit and 40 in the Preschool--with 50 of those families eligible for Title XX slots. Predictably this waiting list has increased over the summer because of new students coming to the University for the fall semester.

The Child Care Center at 100 Arlington Street will be licensed for 10 children at a time, beginning in September. They have at least 5 families already interested in that Center. Getting this Center licensed has taken the entire year due to various obstacles, so they are very pleased to have this accomplished.

#### Disabled Student Center:

This year the Disabled Student Center has provided support services to approximately 110 disabled students including 80 students currently enrolled, 20-25 applicants, and 5-10 alumni. This total reflects the continuing growth of the Center. The breakdown by disability group has remained fairly steady. Approximately two-thirds of the population served have ambulatory disabilities and use mobility aids including wheelchairs, braces, and canes; one-sixth are sensory disabled with visual or hearing impairments; and one-sixth have severe back problems, learning disabilities, or other chronic health problems.

There has been a sharp increase in the number of students with learning disabilities from 3 in Spring 1978, to a possible 10 in Fall 1978. This is a potential problem as staff who are professionally trained in this area are needed. We are working with Academic Support Services in planning appropriate support services.

In addition to providing a wide range of direct services to the students, several innovative services were initiated or expanded. Peer Counseling Training Groups met and now over 30 students have participated. Sign Language Instruction was offered in Fall and Spring with over 25 students participating and many more expressing considerable interest in having sign become a permanent part of the UMB curriculum offerings.

Students participated in a series of discussions on sexuality planned with the Human Sexuality Center, an in-service training on medical emergencies for Health Services and Public Safety staff, a workshop on speaking planned by CPCS staff, and a workshop on the rights of disabled individuals under 504. The Disabled Student Center at the Arlington Street Campus expanded to 2 part-time staff, providing services to approximately 20 disabled students. There is a need for funding for this position for the coming year.



Last August, the Affirmative Action Committee on the Handicapped completed a proposed statement to place the University in compliance with sections 503 and 504 of the Rehabilitation Act of 1973. The plan was submitted to the Office of the President for approval. In the spring, the Board of Trustees included the word handicapped in the non-discrimination statement covering all University policies and practices.

A major effort has been made in assisting the University in complying with section 504. The assurance to comply with the law has been signed, the Transition Plan has been waived as structural changes in facilities are not necessary to establish compliance, and the Self Evaluation will be completed early in the fall. Technical assistance in 504 compliance has been provided to Emmanuel College, Lesley College, Brandeis University, and other institutions.

As a major objective in developing leadership and independence, the Center has worked to involve students and themselves in consumer self-help organizations and activities. Locally, students have been involved in activities leading to increased access to public facilities including Symphony Hall, Friday's Restaurant, the Museum of Fine Arts, and public transportation. A student and staff member were featured in a local newspaper discussion of issues of disability. Staff have been involved in presenting workshops concerning disability at CPCS, elementary and secondary schools, and before a medical school class.

Statewide, students and staff planned and attended a Conference on 504. Staff have been involved in key working positions in the Massachusetts Coalition of Organizations of the Handicapped and in the Electronics Industry Foundation project to employ disabled people in industry in Massachusetts.

Nationally, students have attended science conferences and have participated in the writing of a national newsletter called "Access to Science." Staff have presented workshops at the National Student Association Congress, Wright State University Conference on Disabled Students on College Campuses, Mattatuck College, and the President's Committee on Employment of the Handicapped.

This involvement has provided an important educational experience for the students. They have grown in their speaking and advocacy skills, have developed self confidence, have made valuable employment and educational contacts, and have learned about issues that effect their lives. For the staff, this involvement has allowed them to continue to share ideas and problem areas with similar offices across the country and has helped them to offer a consistently good, solid program for disabled students.

#### Information Center:

INFO's professional and student staff members engaged in several "special events" happenings on behalf of the University, providing information, tours of the campus, and performing specific functions as required. Major events



for 1977-78 included:

University Open House  
Katherine Forbes Clark Physical Education Center Groundbreaking  
Sprinning Arts Festival  
INFOFESTS - Fall and Spring  
INFO Christmas Crafts Bazaar  
Trustee Candidates Debate  
Annual Seniors' Meeting  
Commencement

INFO published the following publications during 1977-78, performing editorial, graphic design, and photographic tasks:

IMAGES AND INFO, The University Handbook  
INFO Campus Directory  
UMB Key to Student Affairs and Support Services  
UMB INFO ALERT, in response to the "Blizzard of '78"  
INFO Weekly Calendar of Events and University Notices (weekly)

During the summer of 1977, INFO took over the responsibility for production and issuance of all University Identification Cards for students, faculty, staff, alumni/ae, and persons participating in special University authorized programs. With the inception of I.D.'s at INFO came the establishment of the Identification Card Trust Fund. Authorized by the University Board of Trustees, the fund is the collection of a \$1.00/year (\$2.00 replacement) fee levied of all UMass/Boston students. Basing enrollment figures at approximately 7,500, the establishment of the Trust Fund has served to cover production costs of I.D.'s. In addition, the salary of the Assistant Director of INFO whose primary responsibility is the administration of I.D.'s is paid out of these monies and supplementally through 03 funds.

INFO's publication monies are allocated through the Department of Campus Relations. For four years, INFO has requested funds for the publication of a weekly INFO sheet similar to Contact at UMass/Amherst and Spectrum at Boston University. Their requests have never been fulfilled. Additional monies would enable INFO to provide the entire University community with a weekly publication to enhance campus communication by promoting activities and opportunities available. INFO has requested funding for a periodical again for 1978-79, although no response has been made to date.

INFO is mid-way in the production of a large photographic essay to be mounted in large (2' x 3' and assorted sizes) display areas in hallways around campus. The essay will depict campus life and promote the interests and activities of the University.

NEXUS continuous tapes of two and five minute lengths are under negotiation for telephone inquiries at the INFO Booth. The tape system will enable callers to receive reports on daily events, special events information, and University regulations and services on a continuous basis without involving INFO staff to answer the telephone. INFO telephones for hotline requests will continue to function as usual.





INFO's Videotape Resource Library plans to grow under the supervision of Chris Clifford with student staff. One videotape effort will be focused upon the availability and locations of campus resources and services, a walking tour of the campus. Implementation of this project hinges upon availability of funds and personnel.

#### Veterans' Affairs:

During FY 1978, the Office of Veterans' Affairs received a grant for \$53,706 for operational purposes. There were 1,304 students certified to receive VA Benefits.

There were few changes in the operation of the Office for the past year. Staff was maintained at the same level as in previous years. Veteran enrollment dropped about eighteen percent, which compares favorably with the national average of a thirty-five percent decline.

#### Pre-Freshman Programs

The Department of Pre-Freshman Programs examines, reviews and makes recommendations on programs, policies and procedures which serve to increase the postsecondary educational options of low-income and educationally disadvantaged Boston Public School students. The Department also develops and submits funding applications and proposals to public and private agencies for the establishment of such educational opportunity programs at the Harbor Campus.

In FY 1977-78 the Department of Pre-Freshman Programs received \$120,906 from HEW to continue operation of the University of Massachusetts College Preparatory Program. This grant, which was continued for FY 1978-79, represents the 11th such grant received by the University to assist low-income, educationally disadvantaged youth to gain admission to programs of postsecondary education.

While the question of access to postsecondary education is the primary focus of activities provided by Pre-Freshman Programs, the issue of retention in higher education has become a departmental priority.

In the last fiscal year, the Department submitted to the Office of Education a proposal for the establishment of a Special Services Project at the University. This project is designed to assist and enable educationally disadvantaged, bilingual and handicapped students to develop the skills and abilities necessary to continue, resume and complete programs of postsecondary education at this University. While we have not heard conclusively on this project, we have received preliminary notification of an award in the amount of \$80,150.



### Student Activities

During the past year, the Student Activities Committee allocated \$294,000 to support a variety of campus and community activities.

In addition to funding the Cultural and Social Events at the University, the SAC funded WUMB, Advocacy Center, Child Care, Mass Media, and Point Press. Major accomplishments for the year includes the computerization of the SAC accounts and the establishment of a Student Pub.

#### Advocacy Center:

The Center normally maintains a work study staff of fifteen people. These students work approximately 3,375 man hours per semester, and 2,800 man hours during the summer and intercession. It is essential to this program that there be some continuity to the staff. The average work study student has been with this program for 1.5 years, and is a second semester junior. The staff is different ethnic and income backgrounds. The majority of the staff major in one of the social sciences, and intend to pursue an advanced degree. The staff is acknowledged by the Financial Aid Office as being exemplary in the effective and efficient utilization of student work study personnel.

For this fiscal year, we saw 1,064 students in the organizational intervention program. We saw 591 during the Fall semester, and 473 during the Spring semester. Of these 1,064 students, 232 cases were those we term extended cases and involved more than two negotiating sessions to resolve.

The part-time and summer job program was a tremendous success this year under very difficult circumstances. This program originated in the Advocacy Center. We anticipated the Federal Government by one year. This year Congress passed a regulation that every work study program had to have a complementary non work study part-time job program. Because we had one already in operation we were immediately eligible for a grant of \$6,000 from the Department of Health, Education and Welfare. In conjunction with the Financial Aid Office, we used this money to hire a part-time staff person to levelop jobs. This significantly increased the number of jobs we had available for students and the number of students who were able to participate in the program. Unfortunately, because this position was only part-time, talented professionals could not be found to consistently fill the position. This situation did not allow us to develop the program to its full potential. Be that as it may, for this year 1,516 students were seen who were looking for part-time or summer work: 728 were male, 788 were female. They applied for 3,162 jobs: 409 returned to seek additional employment. Our total usage figure for this program was 1,925.

The Student Course Guide was a relatively new endeavor by the Center. With this program, attempts were made to provide the students with a sound informational package which would enable them to make more informed course selections during the pre-registration period. The Center contracted with the Educational Testing Service to use their format for gathering data for the Guide. They purchased 5,000 questionnaires which enabled them to evaluate 177 courses. Utilizing 11 work study students and 19 volunteers, each class was evaluated with the cooperation of the professor involved.



Although initially the results were to be published, the Center ran into two problems which prohibited them from going to print. First, the two snow storms put them behind schedule. Secondly, when all work study was frozen, most of the Center's staff was lost and they simply did not have the personnel necessary to complete the goals of the project. However, they were able to utilize the data and make that data available to the faculty who participated in the program.

The Center has spent a significant amount of time this semester researching the Admissions policies at UMass/Boston. This interest was stimulated by the tremendous concern expressed by many students about our admissions policies. The two basic concerns we found prevalent among all people associated with the University were: one, that we maintain our commitment to the inner city and Greater Boston community; and two, that we maintain the high standards of excellence consistent with our definition as a major urban University.

The Center's major activity on this issue was to run a forum for the students. They brought the Dean of Admissions and his staff to speak with the students concerning general admissions policy, enrollment, recruitment, and Special Admissions.

WUMB:

This year the programming department has realized its goal of setting a new standard of professionalism for the on-air programming at WUMB. Through special training sessions and a reorganization of the department, the Program Director has been able to make the over-all quality of WUMB programming far superior to that of previous years.

Daily programs were made more consistent by requiring announcers to follow a well-defined format, which emphasized Album Oriented Rock, Jazz, and a large percentage of new releases. A survey of our student audience showed that a considerable number of listeners wanted to hear more Spanish and Third World programming, so a schedule of special shows was developed in each of these areas. Although it is impossible to please all of the listeners the final schedule proved to be successful in providing a variety of entertainment and information to UMass/Boston.

The station had arranged with the Somerville Media Action Program to videotape a portion of the announcers' training segment of the program so that they can be presented at any time of the year merely by having trainees view the videotape on a machine borrowed from Media Services. Hopefully, the entire training program can be set up in this manner within the next year and a half.

Finally, a major breakthrough in scheduling has been made possible by the more efficient organization of the department. It is now possible to arrange programming so that most of the plans for a semester (i.e., scheduling, promotion, remote planning, special programs) are completed well in advance of that semester. In this way, the department can concentrate on the problems of maintaining quality programming each semester, rather than working out new schedules because of special events and programs that were not planned far in advance.





This year has seen a marked increase in public affairs, Third World affairs and special programming. This has been mainly due to two outstanding students taking charge of these areas and then working very closely with the program director as a sort of programming committee to review, recommend, solicit, and work closely with individuals to produce the shows. In addition to the Latin American and Puerto Rican Music Shows which have been carried in the past, the schedule saw the addition of such shows as: The African Experience, Third World Issues and Answers, an Irish Music Show, Afro-Salsa and a show of Americans-past entitled Forgotten Americans.

It becomes a drain on the system when an organization has to constantly fight for what are obviously fixed costs. This has happened year after year in having to deal with the Student Activities Committee, with no relief in sight. Some method has to be created whereby some idea of whether the station will be operating on a level-funding budget or whether they will have some expansion. And where the majority of the budget at this point is fixed costs, it has to be realized that that is the starting point of the lowest possible dollars they are allocated. Also, since there is no amortization plan worked into the budget, it must be understood that major pieces of equipment are going to have to be replaced, probably at this point on the average of one a year.

An expansion of the broadcast coverage area was still possible with a new speaker being installed above the INFO Center Booth, the Mass Media Office, 3 or 4 other individual offices and the most recent (and largest) expansion to the Administration Building Cafeteria and Bookstore. Another achievement of sorts in the Engineering Department has been the design and construction of a 100 milliwatt transmitter and antenna. Although not yet in operation, when installation and testing is complete, this equipment will increase the station's AM signal around the campus and neighboring areas.

A national convention of student broadcasters was organized and held at the Park Plaza Hotel in Boston. This is the fourth convention WUMB has hosted over the years, this being the first national one. But the possibilities of the entire staff being able to attend, participate and observe as well as intermingling with other struggling trainees provides the impetus to do it all over again this year. Another national convention is already well into the planning stages for the Hotel Sheraton at the Prudential Plaza the weekend of October 27th.

A major project for over the past year has been the establishment and operation of a Broadcasting Internship Program. In cooperation with the University Internship Office, WUMB has made arrangements with a number of commercial radio and television stations to allow UMass students to gain on-the-job experience. Students earn 6 to 10 credits by taking an Urban Studies Seminar, and Independent Study, in addition to working at the station.

It becomes continually frustrating for the management of WUMB to be constantly asked "What about the FM License?" In January of this year, the application was brought before the full board of FCC Commissioners, and our waiver was accepted and granted. This still brought the application back to the FCC's legal and one or two other departments to finish the final "red tape" process, before the final grant. Hopefully a successful attempt to again free up the application from these most recent delays within the next few weeks will occur. Since the waiver has been granted, there really is no reason why the final grant cannot be obtained, and could not have been obtained sooner.



### Placement

During the past year, students at the University experienced for the first time in six years visible Placement activities. The Placement Program provided direct service to undergraduates, seniors, and alumni. The office was also responsible for vocational interest inventory testing which showed an increase in demand over previous years.

A three (3) credit course was approved by the College of Professional Studies in Personnel Career Management to be taught by the Placement staff.

### Counseling Center

During the Spring semester and Summer term, the staff was selected for the University Counseling Center. During this same period, programs were being developed to be implemented during the Fall semester.

### Campus Ministry

During the past year the Campus Ministry Office conducted its regular programs of worship, prayer, pastoral counseling, education and social action.

Another on-going project that required considerable time this year was the successful fund drive and continuing planning efforts for an Interfaith Chapel.

Beginning last summer, Chaplains Small and Rafferty met several times with Will Prince and former Chancellor Golino to draw up working plans for the proposed chapel which is to be located in the 020 Building, third floor library lounge, in the upper level north end.

Their fund raising centered on the University Community, based on the idea that this would be a sign of their commitment and support of the campus chapel. From the students, faculty and staff \$3,000 was raised, enough for the initial construction of the glazed partition to separate the chapel area from the rest of the lounge.

In February, a motion from the University Assembly was passed that asked Chancellor Van Ummersen to examine possible constitutional issues surrounding the use of state property for religious purposes. The matter was referred to the legal department of the President's Office, where, unfortunately, it still remains, undecided. Father Rafferty has talked with Mr. William Searson and Mr. Lawrence Bench and has mailed to them an advisory memorandum from the law firm of Foley, Hagg and Eliot that has been the basis of campus ministry work at State Universities and College in Massachusetts since 1967. The lawyers were to update the opinion, and examine more recent legal developments



which to Father Rafferty's understanding support the free exercise of religion aspect of the First Amendment.

The Campus Ministry Office is very anxious to have this legal question resolved quickly and although several promises of speedy resolution has been made, none have been forthcoming.











UNIVERSITY OF MASSACHUSETTS  
AMHERST • BOSTON • WORCESTER

CHANCELLOR, UNIVERSITY  
OF MASSACHUSETTS AT WORCESTER  
DEAN OF THE MEDICAL SCHOOL  
55 LAKE AVENUE NORTH  
WORCESTER, MASSACHUSETTS 01605

August 17, 1978

MEMORANDUM FOR: Secretary to the University

FROM: Chancellor/Dean Roger J. Bulger, M.D.

SUBJECT: REPORT OF THE UNIVERSITY OF MASSACHUSETTS MEDICAL  
CENTER FOR THE FISCAL YEAR ENDING JUNE 30, 1978

1. Appropriation for the Fiscal Year

1976-1977

Medical School	\$ 9,045,000	(Maintenance Appropriation)
	188,432	(Cost of Living - 01-02)
	<u>\$ 9,233,432</u>	

University		
Hospital	\$ 9,500,000	(Maintenance Appropriation)
	271,286	(Cost of Living - 01-02)
	<u>580,000</u>	(Deficiency Budget)
	<u>\$10,351,286</u>	

1977-1978

Medical School	\$10,503,527
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University	
Hospital	\$ 3,500,000

2. Personnel - September 1976

Chancellor/Dean	1
Associate Dean	1
Assistant Deans	3
Faculty	
Full-time	105
Part-time	8
Courtesy	523
Professional Employees	105
Classified Employees	737

September 1977

Chancellor/Dean	1
Vice Chancellors	2
Associate Vice	
Chancellors	2
Associate Deans	4
Assistant Deans	2
Faculty	
Full-time	142
Part-time	8
Courtesy	431
Professional Employees	153
Classified Employees	940



3. Organizational Chart is Appended.
4. Number of Students 367
5. Faculty publications, research grants, research projects, and other professional activities are appended.
6. & 7. Major accomplishments during the fiscal year 1977-1978, and special projects or programs active during the fiscal year 1977-1978.

#### THE MEDICAL SCHOOL

A very successful first open house was held last fall, which attracted 10,000 visitors to the Medical Center. The 83 exhibits ranged from basic science in the Medical School to a video tape of an open-heart operation performed here. At the same time, the dedication of the Medical Center took place, followed by the unveiling of a portrait of Dr. Lamar Soutter, Chancellor/Dean Emeritus, in the Soutter Library.

A Ph.D. Program in Medical Sciences was established, not only to contribute further to the intellectual enrichment of the campus, but also as an invaluable attraction in our efforts to continue to recruit first rate clinical faculty to the Medical School. Internally, the faculty has wished for and the University promised to engage in the full spectrum of scholarly activities customarily found in academic medical centers. Also, it is the intent of Worcester-based Institutions to offer a joint Ph.D. Program in the Medical Sciences, and we have taken an initial step in local cooperation by joining the existing "Ph.D. Program in Biomedical Sciences" sponsored by Clark University, Worcester Polytechnic Institute, and the Worcester Foundation for Experimental Biology.

The Trustees voted to establish learning contracts for this September's entering class so as to be in compliance with the "Payback Provision" mandated by the legislature.

The Liaison Committee on Continuing Medical Education accredited our Continuing Education Program for four years. Ours is one of 16 institutions which have been fully accredited by this newly formed Liaison Committee.

#### THE UNIVERSITY TEACHING HOSPITAL

A Sports Medicine Program was established by Dr. Arthur Pappas, which includes a clinic for injured school athletes and a seminar series for athletic directors and coaches of secondary and college teams. Dr. Pappas was awarded the District III Central Massachusetts Athletic Directors Association Distinguished Service Award.





Dr. Roger B. Hickler was appointed as the first Lamar Soutter Distinguished Professor of Medicine, and Dr. James E. Dalen was appointed Professor and Chairman of Medicine

A patient representative program was initiated in the hospital last July. This service provides information about our hospital services, policies, and procedures to the patient and his family and personalizes certain aspects of the Hospital so that the patient understands what is happening to him and why. It also refers any grievances from a patient or his family to an appropriate source for correction and gives the UMMC administration and staff an understanding of the patient's perception of his hospital experience.

A new Palliative Care Service for the care and comfort for the terminally ill and regard for the needs of their families began operation on the eighth floor of the hospital on June twelfth. The six bed inpatient unit will focus on patient needs that are physical, emotional, psychological, and spiritual.

Ground breaking ceremonies for the University of Massachusetts/Tri-River Family Health Center in Uxbridge were held in May. This Health Center will provide comprehensive, convenient health care for approximately 24,000 annual patient visits covering residents in a medically underserved seven town area in the Blackstone Valley. Services will be linked with the Milford-Whitinsville Regional Hospital and the University of Massachusetts Hospital, and the Staff will include internists, pediatricians, nurse practitioners, and appropriate support personnel, as well as physicians taking advanced training in internal medicine and pediatrics. The University of Massachusetts Medical School students will receive some of their training at the Family Health Center also.

#### 8. Future Plans and Needs

In FY'79, the Medical School will reach its full complement of 400 medical students. This, coupled with the fact that Allied Health students and residents in postgraduate education training will be increasing in numbers, will establish as a first priority the expansion of the faculty to 200 FTE. The majority of faculty recruited will be in the primary care clinical specialties--Medicine, Pediatrics, and Family Practice--which will allow us to expand our Primary Care and Ambulatory Care activities both at the Medical Center and throughout the State.

The establishment of a regional diabetes center is planned, which will utilize basic and clinical faculty members in the study and treatment of diabetes.

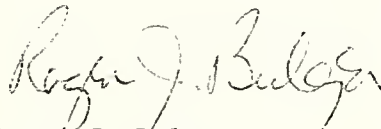


Other teaching programs planned are in areas of medical ethics and the legal problems of medical research and practice, areas not now formally included in the curriculum, but which are considered to be of high value to future physicians.

In the area of Allied Health, it is expected that the nursing program will experience increased teaching activity for nursing students from Worcester State College and Fitchburg State College. One of the programs for which there will be developmental groundwork during the coming year is a health care administration program in conjunction with the Worcester Consortium of Higher Education institutions. This program would provide instruction to existing hospital administrators in the Central Massachusetts Region who want to upgrade their professional position.

There will be expansion or initiation of programs in the hospital to meet the requirements of the educational programs for medical students, postgraduate students, and allied health students; to provide services which are not now in operation in other area hospitals, such as the Palliative Care Center, Geriatrics program, Rehabilitative Medicine program, and an enlarged Neurological service; and to meet the anticipated increase in areas such as open-heart surgery and complex spinal surgery. Opening of beds will occur in increments of 10 or 15 throughout FY'79 in order to reach a goal of 245 beds by June, 1979, and new and existing programs will be developed during the year to meet this bed expansion.

Respectfully submitted,



Roger J. Bulger, M.D.  
Chancellor/Dean

MS/mg



Executive Committee  
Faculty

Office of the Chancellor  
Bulger/Caper

Affirmative Action

Alumni

Assoc. Dean for  
Professional Affairs/COS

Chief of Staff/UH

Group Practice

Continuing Medical  
Education

Liaison with  
Clinical Depts.

Provost

Acad. Planning

UNMS Acad. Aff.

Allied Health  
Nursing

Students

Graduate Program

Admissions

Center, Ed. Res.

Library

Clinical Educ. &  
Primary Care

Scientific Affairs

Assoc. Vice Chancellor  
Comm. Rel. Plan. & Dev.

Development

Planning

Community Relations

Academic Depts.  
Admin. Liaison

VC A&F  
Exec. Dir. Hosp. Serv.

Hosp. Oper.

Campus-wide  
Function





DATE July 10, 1978

TO • Muriel Sawyer

FROM • Israel F. Abroms, M.D.

SUBJECT • Memorandum of June 19, 1978 RE: Annual Report Information

1. Additions to current bibliography:

Publications: Medical and Psychologic Evaluation: Neurology. Abroms, I.F. "Hearing Loss in Children". Hearing Loss in Children, Edited by B.F. Jaffee, University Park Press, 1977, pp. 241-52.

Congenital and Neonatal Sensorineural Hearing Loss: Nongenetic Hearing Loss. Abroms, I.F. Hearing Loss in Children, Edited by B.F. Jaffe, University Park Press, 1977, pp. 367-376.

Shih, V.E., Abroms, I.F., Johnson, J.L., Carney, M., Mandell, R., Robb, R.M., Cloherty, J.P., and Rajagopalan, K.V. Sulfite oxidase deficiency: Investigations of a hereditary metabolic disorder. New England Journal of Medicine, 1977. Volume 297, pp. 1022-1028.

In preparation: The Practical Management of the Child with Developmental Disabilities. Scheiner, A.P. and Abroms, I.F. To be published by C.V. Mosby and Company, St. Louis, Missouri.

1977 - Present: Associate Professor of Neurology, University of Massachusetts Medical School.

2. Current Research Grants: None

3. Professional Activities:

- a. Ongoing Pediatric Neurology Consultation Clinic at the University of Massachusetts Medical Center Hospital.
- b. Inpatient consultations in Neurology at the University of Massachusetts Medical Center Hospital, Saint Vincent Hospital, Worcester City Hospital, The Memorial Hospital, Hahnemann Hospital.
- c. Handicapped Children's Service Neurology Consultation Clinics at the University of Massachusetts Medical Center Hospital; two clinics: North County and Worcester.
- d. Directing and interpretation of pediatric EEG's at the University of Massachusetts Medical Center Hospital.



- e. Ongoing teaching commitments to medical students and pediatric residents at the University of Massachusetts Medical Center Hospital, Saint Vincent Hospital, and the Newborn Intensive Care Unit at the Memorial Hospital.
- f. Initiation of a research project involving clinico-pathological and neurophysiological aspects in newborns at The Memorial Hospital.
- g. Initiation of services in speech and language in the Pediatric age group at the University of Massachusetts Medical Center Hospital in collaboration with the Communications Disorders Department of Worcester State College (as of January, 1978).
- h. Establishment of a Learning Disabilities Clinic at the University of Massachusetts Medical Center Hospital as of September, 1978.
- i. Ongoing consultations for the Child Development Service of Pediatric Neurology problems.
- j. Supervising a Pediatric Neurology Clinic at St. Vincent Hospital.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

OFFICE MEMORANDUM

DATE July 19, 1978

- Muriel Sawyer

- FROM • Carlton M. Akins, M.D.  
SUBJECT • Annual Report Information

For the period July 1, 1977 to June 30, 1978, my professional activities have included the following:

Invited Presentations:

Caput Valgum, paper presented to Gillette Children's Hospital, St. Paul, Minnesota, January 1978.

Rotational Deformities of the Legs in Children, paper presented to Annual Staff Meeting as guest speaker, Minneapolis Children's Hospital, Minneapolis, Minnesota, January 1978.

Local Activities:

Orthopedic staff: University of Massachusetts Hospital (active), Massachusetts Hospital School (active), St. Vincent Hospital (courtesy), The Memorial Hospital (consultant).

Chief Physician and Orthopedist, Myelodysplasia Clinic, University of Massachusetts Hospital/Department of Public Health.

Consultant, Handicapped Children's Service, Department of Public Health.

Consultant, Monson State Hospital and Shriver Center/Paul A. Dever School.

Teaching coordinator, orthopedics, University of Massachusetts Hospital.

Teacher, first year anatomy and third/fourth year surgery, University of Massachusetts Medical School.

Medical Center Committees: Admissions, Operating Room, Safety, Group Practice Advisory Board and Executive Committee.





# CURRICULUM VITAE

Jack Edward Ansell

Present Address: 55 White Pine Road  
Newton Upper Falls, Mass. 02164

Phone: (617) 964-6229

Date of Birth: 13 May 1946

Place of Birth: Neptune, N.J.

Family: Married  
Children (2)

## Education:

College: University of Virginia 1964-1968 AB  
Charlottesville, Va.

Medical School: University of Virginia 1968-1972 MD  
Charlottesville, Va.

## Post Graduate Education:

Internship: Tufts-New England Medical Center Hospital 1972-1973  
Straight Medicine, Boston, Mass.

Residency: Tufts-New England Medical Center Hospital 1973-1974  
Medicine (JAR), Boston, Mass.

Fellowship: Boston University Hospital/Boston City  
Hospital, Hematology, Boston, Mass. 1974-1975

Boston Veterans Administration Hospital  
Hemostasis, Boston, Mass. 1975-1977

Positions: Assistant Professor of Medicine, University  
of Massachusetts Medical School, Worcester  
Mass. 1977-present

Board Certification: Virginia State Boards Part I 1970 Part II 1972  
American Board of Internal Medicine 1975  
American Board of Internal Medicine (Hematology 1976)

License: Virginia 1972 (#21916)  
Massachusetts 1974 (#36584)

Honors: United States Public Health Fellowship 1972

Societies: Massachusetts Medical Society  
American Society of Hematology



1. Ansell, J.E., Wheby, M.S.: Pica: Its relation to iron deficiency. Virginia Medical Monthly 99:951-954, 1972.
2. Ansell, J.E., Kumar, R., Deykin, D.: The spectrum of vitamin K deficiency. JAMA 238:40-42, 1977.
3. Johnson, W.C., Widrich, W.C., Ansell, J.E., Robbins, A.H., Nabseth, D.C.: Control of bleeding varices by vasopressin: A prospective randomized study. Ann. Surgery 186:369-376, 1977.
4. Kumar, R., Ansell, J., Deykin, D.: Clinical trial of a new bleeding time device, in The significance of platelet function tests in the evaluation of hemostatic and thrombotic tendencies, editors: H.J. Day, H. Holmsen, M.B. Zucker. DHEW Pub. No. (NIH) 77-1087, p.21-22, 1977.
5. Kumar, R., Ansell, J.E., Canoso, R.T., Deykin, D.: Clinical trial of a new bleeding time device. Am.J.Clin.Path. (In Press).
6. Ansell, J.E., Widrich, W.C., Johnson, W.C., Maizels, M., Robbins, A.H., Nabseth, D.C., Deykin, D.: Gelfoam and autologous clot embolization: Its effect on coagulation. Investigative Radiology 13:115-120, 1977.
7. Ansell, J., Beaser, R., Pechet, L.: Thrombotic thrombocytopenic purpura: failure of fresh frozen plasma infusion. Annals of Internal Medicine (In Press)

#### Abstracts and Letters

1. Ansell, J.E., Brauer, M.J.: Hypersplenism and agranulocytosis: Immune basis unresolved. Clinical Research 23:268a, 1975.
2. Fine, J., Deykin, D., Ansell, J., Hutton, R.: Limulus test. New England Journal of Medicine 294:48, 1976.
3. Ansell, J., Widrich, W., Johnson, W., Fine, J.: Endotoxin and bacteria in portal blood. Gastroenterology 73:1190, 1977.
4. Ansell, J.E.: Aspirin for prophylaxis of venous thromboembolism. New England Journal of Medicine 298:1090-1091, 1978.



Annual Report Information 1977-1978

Jag Bhawan, M.D.

I. Additions to Bibliography

1. Bhawan, J., Joris, I., DeGirolami, U., Majno, G.: Effects of occlusion on vessels. I. A study of the rat carotid artery. *Am. J. Path.*, 88:355-380, 1977.
2. Bhawan, J., DeGirolami, U., Edelstein, L.: Multiple layers of basement membrane around myelinated and unmyelinated fibers in cellular blue nevus. *Acta Neuropath.*, 38:243-245, 1977.
3. Purtilo, D.T., Hutt, L., Bhawan, J., Yang, J.P.S., Cassel, C., Allegra, S.: Immunodeficiency to the Epstein-Barr virus in the X-linked recessive lymphoproliferative syndrome. *Clin. Immunol. & Immunopath.*, 9:147-156, 1978.
4. Bhawan, J.: Ultrastructure of melanocyte - keratinocyte interaction in pigmented basal cell carcinoma. *Yale J. Biol. & Med.*, 50:548, 1977.
5. Bhawan, J., Edelstein, L.: Angiofibromas in tuberous sclerosis: an electron microscopic study. *J. Cutan. Path.*, 4:300-307, 1977.
6. Purtilo, D.T., DeFlorio, D., Hutt, L.M., Bhawan, J., Yang, J.P.S., Otto, R., Edwards, W., Rosen, F.S., Vawter, G.: Variable phenotypic expressions of an X-linked recessive lymphoproliferative disorder. *N.E.J.M.*, 297:1077-1081, 1977.
7. Bhawan, J., Ceccacci, L., Cranford, J.: Annulate lamellae in a malignant mesenchymal tumor. *Virch. Arch. B Cell Path.*, 26:261-265, 1978.
8. Bhawan, J., Edelstein, L.M.: Bands in cellular blue nevis. *Arch. Dermatol.*, 113:1129-1130, 1977.
9. Purtilo, D.T., Bhawan, J.: Immunopathology of fatal infectious mononucleosis in the X-linked recessive lymphoproliferative syndrome. *Lab. Invest.*, 38: 31, 1978. (Abstract)
10. Yu, D., Katayam, I., Legg, M., Bhawan, J., et al: Ultrastructure of primary nodular lymphomas of the lung. *Fed. Proc.*, 37:463, 1978. (Abstract)
11. Purtilo, D.T., Szymanski, I., Bhawan, J., Yang, J.P.S., Hutt, L.M., Boto, W., DeNicola, L., Maier, R., Thorley-Lawson, D., Fowler, D., Triola, P.: Epstein-Barr virus infections in the X-linked recessive lymphoproliferative syndrome. *Lancet*, i:798-801, 1978.
12. Bhawan, J.: Ultrastructure of melanocyte - keratinocyte interaction in pigmented basal cell carcinoma. In *Proceedings of X IPCC*, Boston, MA. (In press)
13. Bhawan, J., Bain, B., Murphy, S., Friedell, G.H.: Primary amyloidosis associated with multiple malignancy. *Fed. J. Pathol. & Micro.* (in press)
14. Bhawan, J., Parija, G.: Tattoo reactions. *J. Cutan. Path.* (In press)





15. Bhawan, J., Bacchetta, C., Joris, I., Majno, G.: Infantile digital myofibroblastoma (recurrent digital fibrous tumors or childhood). J. Cutan. Path. (Abstract - in press)
16. Bhawan, J., Edelstein, L.: Banded structures in dermal connective tissue. J. Cutan. Path. (Abstract - in press)

## II. New Grants

1. Principal Investigator  
Title: "Radioprotection by L-DOPA"  
BRSG Grant  
Amount - \$4,000
2. Consultant in NIH Grant  
Title: "Immunopathology of the X-linked Lymphoproliferative Syndrome"  
Principal Investigator: David T. Purtilo, M.D.  
NIH Grant CA 23561-01

## III. Professional Activities

### A. Hospital Pathology

In addition to sharing the work load of hospital autopsy and surgical pathology with other staff members on equal time basis, signing out all skin pathology cases every day.

### B. Dermatopathology Consultation

- (i) Hahnemann Hospital of Worcester, MA
- (ii) Memorial Hospital of Worcester, MA
- (iii) St. Vincent Hospital of Worcester, MA
- (iv) Dermatopathology Foundation, Canton, MA

### C. Exams

Passed the Dermatopathology examination given by the American Board of Pathology and Dermatology in the Fall, 1977.

### D. Teaching

- (i) In addition to teaching in lab sessions of cellular pathology, inflammation, tumors, immunopathology, cardiovascular diseases, neuropathology, I organized and gave the course of Dermatopathology with Dr. L. Edelstein to the second-year medical students at U.M.M.S.
- (ii) Course director for Melanoma Symposium on "A to Z" of nevi and melanoma, April 28, 1978. This course was sponsored by continuing medical education, UMMS and approved for 6 hours cat I by the Physicians Recognition Board.



E. Participation in Regularly Scheduled Conferences

- (i) Pathology conference - Weekly - Tuesday at noon.
- (ii) Medical Grand Rounds - Weekly - Thursday at 11:30 A.M.
- (iii) New England Pathology Society meetings (4 times a year).
- (iv) New England Dermatology Society meetings (4 times a year).
- (v) Pathology research conference at the Peter Bent Brigham Hospital - monthly.
- (vi) Worcester Pathologists Association meetings (4 times a year).
- (vii) History of Medicine Society seminars.

F. Continuing Education Course Attended

- 1. Dermatopathology course at the University of Texas at Houston, M.D. Anderson Hospital and Tumor Institute. August 21-26, 1977
- 2. Self assessment workshop in Dermatopathology by A.F.I.P., Washington, D.C. November 7-8, 1977

G. Presentation of Papers

- 1. Ultrastructure of melanocyte - keratinocyte interaction in pigmented basal cell carcinoma. Presented to the X International Pigment Cell Society meetings in Cambridge, MA. October 8-12, 1977.
- 2. The color of your skin and what it means. Presented to the "Open House" at the University of Massachusetts Medical School, Worcester, MA. October 14-15, 1977.
- 3. Immunopathology of fatal infectious mononucleosis in the X-linked recessive lymphoproliferative syndrome. Presented to the United States-Canadian Division of International Academy of Pathology. Atlanta, GA. March 6-10, 1978.
- 4. Ultrastructure of primary lymphomas of the lung. Federation Proceedings, Atlantic City, NJ. April 9-14, 1978.
- 5. Infantile digital fibroma (recurrent digital fibrous tumor of childhood): a myofibroblastic tumor. Presented at the Annual Meeting of Indian Association of Pathologists, Dibrigarh, Assam, India. January 8-10, 1978.
- 6. Infantile digital myofibroblastoma (recurrent digital fibrous tumor of childhood). Presented to the Fifth European Meeting on Electronmicroscopy Applied to Cutaneous Pathology, Copenhagen, Denmark. May 11-12, 1978.
- 7. Banded structures in dermal connective tissue. Presented to the Fifth European Meeting on Electronmicroscopy Applied to Cutaneous Pathology, Copenhagen, Denmark. May 11-12, 1978.



#### H. Attendance at Meetings

1. International Pigment Cell Society, Cambridge, MA. October 8-12, 1977.
2. Indian Association of Pathologists and Bacteriologists, Dibrugarh, India. January 8-10, 1978.
3. 59th Annual Session of the American College of Physicians, Boston, MA. April 17-20, 1978.
4. Fifth European Meeting Applied to Cutaneous Pathology, Copenhagen, Denmark. May 11-12, 1978.

#### I. Manuscripts in Preparation

1. Bhawan, J., Edelstein, L.M., Barron, M., Chang, W., Purtilo, D.T.: Molluscum contagiosum. A light, electronmicroscopic and immunofluorescent study.
2. Bhawan, J., Edelstein, L.M., Chang, W.: Ultrastructure of cellular blue nevus.
3. Bhawan, J., Edelstein, L.M.: Dermatitis herpatiformis: an ultrastructural and immunofluorescent study.
4. Bhawan, J.: Pigmented villo-nodular synovitis: an ultrastructural study.
5. Bhawan, J., Ceccaci, L., Amarol, D., Majno, G.: Juvenile fibromatosis: a myofibroblastic tumor.
6. Bhawan, J.: Ultrastructure of giant congenital nevus.

#### J. Work in Progress

- (i) Research in vascular pathophysiology in collaboration with Drs. Joris and Majno in our department.
- (ii) Tissue adhesives for arterial closure in collaboration with Drs. Joris, DeGirolami, and Majno in our department.
- (iii) Intravasal implant in dogs in collaboration with Dr. D. Frisch at the Massachusetts Institute of Technology.
- (iv) X-linked lymphoproliferative syndrome. Ultrastructure investigation in collaboration with Dr. D.T. Purtilo in our department.
- (v) Radioprotection by L-DOPA.





K. Current Memberships

- (i) Member, New England Society of Pathology.
- (ii) Member, International Academy of Pathology.
- (iii) Associate member, New England Dermatology Society.
- (iv) Member, American College of Physicians.
- (v) Fellow, International Pigment Cell Society.



1977-1978A. Additions to Bibliography

1. Trier, J.S., Schreiber, D.S. and Blacklow, N.R.: The pathology of acute non-bacterial gastroenteritis. International Academy of Pathology Monograph Series: The Gastrointestinal Tract, Ed., J.H. Yardley, B.C. Morson + M.R. Abell, Williams & Wilkins Co., 1977.
2. Schreiber, D.S., Trier, J.S. and Blacklow, N.R.: Recent advances in viral gastroenteritis. Gastroenterology 73:174, 1977.
3. Richman, D.S., Murphy, B.R., Belshe, R.B., Chanock, R.M., Blacklow, N.R., Parrino, T.A., Rose, F.B. and Caplan, E.: Temperature-sensitive mutants of influenza A virus. XIV. Production and evaluation of influenza A/Georgia/74-ts-1 (E) recombinant viruses in human adults. J. Inf. Dis. 136:256, 1977.
4. Echeverria, P., Ho, M.T., Blacklow, N.R., Quinnan, G., Portnoy, B., DuPont, H. and Cross J.H.: Relative importance of viruses and bacteria in the etiology of pediatric diarrhea in Taiwan. J. Inf. Dis. 136:383, 1977.
5. Parrino, T.A., Schreiber, D.S., Trier, J.S., Kapikian, A.Z. and Blacklow, N.R.: Clinical immunity in acute gastroenteritis caused by Norwalk agent. New Eng. J. Med., 297:86, 1977.
6. Echeverria, P., Blacklow, N.R., Ho, M.T., Cukor, G. and Beasley, R.P.: Age distribution of antibody to reovirus-like agent in children in Taiwan. J. Ped., 91: 960, 1977.
7. Blacklow, N.R., Cukor, G. and Kibrick, S.: Interactions of adenovirus-associated viruses with herpesvirus transformed cells. Cold Spring Harbor Symposium on Parvoviruses: Replication and Biological Properties. 1978.
8. Blacklow, N.R., Gantz, N.M. and McCabe, W.R.: Bacterial and viral infections of the lower respiratory tract in Wilkins, R.W. and Levinsky, N.G., editors, Medicine: Essentials of Clinical Practice, 2nd Edition, Little, Brown & Co., Chapter 11, 1978.
9. Gantz, N.M., Blacklow, N.R. and McCabe, W.R.: Bacterial and viral diseases in Wilkins, R.W. and Levinsky, N.G., editors Medicine: Essentials of Clinical Practice, 2nd Edition, Little, Brown & Co., Chapter 6, 1978.
10. Blacklow, N.R., Gantz, N.M. and McCabe, W.R.: Infections of the upper respiratory tract in Wilkins, R.W. and Levinsky, N.G., editors, Medicine: Essentials of Clinical Practice, 2nd Edition, Little, Brown & Co., Chapter, 8, 1978.
11. McCabe, W.R. and Blacklow, N.R.: Gastroenteritis and infectious diarrhea in Wilkins, R.W. and Levinsky, N.G., editors, Medicine: Essentials of Clinical Practice, 2nd Edition, Little, Brown & Co., Chapter 39, 1978.
12. Blacklow, N.R., Schreiber, D.S. and Trier, J.S.: Viral Enteritis. Seminars in Clinical Infectious Disease Monograph Series, Ed. Weinstein, L. and Fields, B., 1978.
13. Echeverria, P., Hodge, F.A., Blacklow, N.R., Vollet, J., Cukor, G., DuPont, H.L. and Cross, J.H.: Travelers' diarrhea among United States marines in South Korea. Am. J. Epid., In Press.
14. Echeverria, P., Blacklow, N.R., Vollett, J.J., Ulyangco, C.V., Cukor, G., Soriano, V.B., DuPont, H.L., Cross, J.H., Orskov, F. and Orskov, I. Reovirus-like agent and enterotoxigenic Escherichia coli infections in pediatric diarrhea in the Phillipines. J. Inf. Dis., In Press.
15. Cukor, G., Berry, M.K. and Blacklow, N.R.: Simplified radioimmunoassay for detection of human rotavirus in stools. J. Inf. Dis., In Press.



B. Current Research Grants

1. U.S. Army Medical Research and Development Command, "The Etiology and Pathogenesis of Acute Infectious Nonbacterial Enteritis."
2. U.S. Environmental Protection Agency, "Detection of Viral Gastroenteritis Agents."

C. Professional Activities

1. Invited Lecturer (Outside of Worcester Area)
  - a. Harvard Medical School Infectious Disease Club Lecture Series
  - b. Harvard Medical School Fourth Year Class Infectious Disease Course
  - c. Mass. General Hospital Post-Graduate Course in Infectious Diseases
  - d. National Meeting Association of Practitioners in Infection Control
  - e. National Meeting, American Society for Microbiology
  - f. Boston City Hospital
  - g. Massachusetts Association of Physicians Assistants Yearly CME Course
2. UMMC Committees
  - a. Chairman, Personnel Action Committee - School
  - b. Chairman, Infection Control Committee - Hospital
  - c. Faculty Council - School
  - d. Pharmacy & Therapeutics Committee - Hospital
  - e. Committee on Committees - School
  - f. Group Practice Advisory Board
  - g. Laboratory Medicine Search Committee
  - h. Clinical Sciences Department Accreditation Self-Assessment Committee
  - i. Ad Hoc Committee on Faculty Titles
  - j. Ad Hoc Committee on Personnel Policies
3. Educational Activities - UMMC and Affiliated Institutions
  - a. Weekly Interhospital Infectious Disease Rounds
  - b. Weekly Infectious Disease Lecture Series
  - c. Podiatry Conference CME Lecture at UMMS
  - d. Organization of Parasitic Infection Study at Belchertown State School with Dr. Garrard's office.
  - e. Grand Rounds at Memorial, St. Vincent, Berkshire Medical Center, and UMMS Hospitals.
  - f. CME: UMMS Topics in Medicine and Board Review Courses
  - g. UMMS Course Lectures - Microbiology, Medicine, Lab Medicine Courses





10/77 - 6/30/78

WILLIAM A. BRATT

# A. CURRENT RESEARCH GRANTS:

1. "Temperature Sensitive Mutant as a Probe of NDV Infection" - National Science Foundation, \$72,000 for 1/77-12/77.
2. "Molecular Biology of NDV Infection" - NIAID, AI 12467. To be funded August 1, 1978. \$279,570 for 4 years.
3. "Media Preparation and Tissue Culture Facility" - BRS6, \$8055 for 6/1/77-12/31/78.

## B. PROFESSIONAL ACTIVITIES

### Intramural Committees

1. Graduate Studies Committee. 1976 to present, appointed by Dean.
2. Personnel Action Committee. 1976 to present, originally appointed by Dean. Elected by faculty in 1977.
3. Evaluation Subcommittee for Faculty (Subcommittee of the Coordination Self-Study Task Force). 12/77 to present. Appointed by Dean.
4. Special Task Force on Faculty Status. 1/78 to present. Appointed by Dean.
5. Ad Hoc Subcommittee of the Faculty Council on Student Grading and Evaluation. 1/78 to present. Elected by Faculty Council.
6. Three Ad Hoc Review Committees since 1976, one in 1976.

### Extramural Committees

1. Virology Study Section of the National Institutes of Health. 1975-6/76.
2. Editorial Board of Journal of Virology, 1/1/76 to present.
3. Ad Hoc reviewer for National Science Foundation and National Foundation - several times since 1974, once in 1977.
4. Nominating committee, Virology Subsection of the American Society for Microbiology, 1977.
5. Consultant, Departments of Immunopathology, Scripps Institute La Jolla, California, 1975 and 1976.

### Meetings Attended

1. 1977 - Negative Strand Viruses and the Host Cell, Cambridge, England. Session Chairman, after dinner speaker. Two papers presented by laboratory members (numbers 7 and 8 in list).



2. American Society for Microbiology Conference on Myxovirus Genetics, 1977, Tampa Florida, presented paper.
3. ICM-UCLA Conference, Persistent Viruses, 1977, Keystone, Colorado.
4. Fourth International Conference for Virology, The Hague, The Netherlands August, 1978. Invited Speaker.

#### Professional Society Memberships

1. American Society for Microbiology
2. Society for General Microbiology (England)

#### Seminars at Other Institutions

1. Virology Dinner Club of Iowa, 1977.
2. Wayne State University School of Medicine, Department of Immunology and Microbiology, 1977.
3. Scripps Institute, La Jolla, California, Department of Immunopathology, 1978.
4. Ohio State University, Department of Microbiology (cancelled because of illness), 1978.
5. Wheaton College, Department of Biology, 1978.
6. Worcester Foundation, 1978.
7. University of Connecticut, Microbiology Department, 1978.
8. Emory University School of Medicine, 1978.

#### C. ADDITIONS TO BIBLIOGRAPHY

1. S.R. Weiss and M.A. Bratt. Comparative electrophoresis of the 18-22S RNAs of Newcastle disease virus. *J. Virol.* 33, 116, 1979.
2. J.E. Toibis and M.A. Bratt. Isolation and preliminary characterization of temperature-sensitive mutants of Newcastle disease virus, *J. Virol.* 19, 343, 1976.
3. C.W. Dinkbasian, M.A. Bratt, and T.D. Morrison. Synthesis of Newcastle disease virus polypeptides in a wheat germ cell-free system. *J. Virol.* 21, 97, 1977.
- \*4. M.A. Bratt and L.E. Hightower. 1977. Genetic and paragenetic phenomena of paramyxoviruses, in Comprehensive Virology, Vol. IX (H. Fraenkel-Conrat and R.F. Wagner, eds.) pp. 437-457, Plenum Press, New York.
- \*5. L.E. Hightower and M.A. Bratt. 1977. Genetics of Orthomyxoviruses, in Comprehensive Virology, Vol. IX (H. Fraenkel-Conrat and R.F. Wagner, eds.) pp. 459-508, Plenum Press, New York.



8. B.R. Spanier and M.A. Bratt. The 50S and 30S RNPs from Newcastle disease virus-infected cells. J. Gen. Virol. 28, 409, 1977.
- \*7. C.H. Kadansky and M.A. Bratt. Non-cytopathic mutants of Newcastle disease virus: comparison with naturally occurring avirulent strains, in Negative Strand Viruses and the Cell (R.D. Barry and B.W.J. Mahy, eds.) in press.
- \*6. C.W. Clinkscales and M.A. Bratt. Inhibition of protein synthesis by Newcastle disease virus, in Negative Strand Viruses and the Cell (R.D. Barry and B.W.J. Mahy, eds.) in press.
- \*9. D.W. Kingsbury, M.A. Bratt, P.H. Chappin, R.P. Hanson, Y. Hosaka, V. Terribilen, E. Norrby, W. Flownight, S. Fart, and W.B. Winter. Parainfluenzae. Inter Virol. In press.
10. C.H. Kadansky and M.A. Bratt. Non-cytopathic mutants of Newcastle disease virus. J. Virol. 20, 724, 1977.
11. C.W. Clinkscales and M.A. Bratt. 2077-fraction antibodies and the function: separation of RNA and polysomes. Int. J. In preparation for publication.

\* denotes denoted by red pencil

S Denotes published symposium presentation

R denotes reviewed





84. Vagenakis, A.G. and Braverman, L.E.: Drug induced hypothyroidism. Pharmac. Ther. C. 1:149-159, 1976.
85. Wall, J.R., Sobel, R., Fang, S.L., Vagenakis, A.G., Abreau, C.M., Ingbar, S.H., and Braverman, L.E.: Nitroblue tetrazolium (NBT) reduction by neutrophils in patients with hyperthyroid Graves' disease. In Thyroid Research, J. Robbins and L.E. Braverman, Editors, 387-390, 1976.
86. Vagenakis, A.G. and Braverman, L.E.: Thyroid function tests: Which one? Ann. Int. Med. 84:607-608, 1976.
87. Burger, A., Nicod, P., Suter, P., Vallotton, M.B., Vagenakis, A., and Braverman, L.: Reduced thyroid hormone levels in acute illness. Lancet. 1:653-655, 1976.
88. Vagenakis, A.G., Dole, K., and Braverman, L.E.: Pituitary enlargement, pituitary failure and primary hypothyroidism. Ann. Int. Med. 85:195-198, 1976.
89. Wall, J.R., Fang, S.L., Ingbar, S.H., and Braverman, L.E.: Lymphocyte transformation in response to human thyroid extract in patients with subacute thyroiditis. J. Clin. Endocrinol. Metab. 43:587-590, 1976.
90. Nicod, P., Burger, A., Strauch, G., Vagenakis, A.G., and Braverman, L.E.: The failure of physiologic doses of reverse T<sub>3</sub> to effect thyroid-pituitary function in man. J. Clin. Endocrinol. Metab. 43:478-481, 1976.
91. Woeber, K.A. and Braverman, L.E.: The Thyroid. in the Year in Endocrinology 1975-1976. S.H. Ingbar, Editor, pp. 71-88, 1976.
92. Braverman, L.E. and Roti, E.: Thyrotropin (TSH) and pituitary tumors, U. Butturini and G. Valenti, Editors, pp. 29-36, 1976.
93. Abreau, C.M., Vagenakis, A.G., Roti, E., and Braverman, L.E.: Clinical evaluation of a hemagglutination method for microsomal and thyroglobulin antibodies in autoimmune thyroid disease. Annals Clin. and Lab. Sci., 7:73-78, 1977.
94. Braverman, L.E.: Normal and abnormal responses to iodine: disorders of iodine excess, In The Thyroid. S.C. Werner and S.H. Ingbar, Editors, pp. 527-536, 1978.
95. Vagenakis, A.G., Portnay, G.I., O'Brian, J.T., Rudolph, M., Arky, R.A., Ingbar, S.H., and Braverman, L.E.: Effects of starvation on the production and metabolism of thyroxine and triiodothyronine in euthyroid obese patients. J. Clin. Endocrinol. Metab. 45:1305-1309, 1977.
96. Woeber, K.A. and Braverman, L.E.: The Thyroid. in The Year in Endocrinology, 1976-1977. S.H. Ingbar, Editor, 1977.



97. Harris, A.R.C., Smith, M.S., Alex, S., Salhanick, H.A., Vagenakis, A.G., and Braverman, L.E.: Pyridoxine (B6) induced inhibition of prolactin release in the rat. *Endocrinology*. 102:362-366, 1978.
98. Braverman, L.E.: Therapeutic considerations in Thyrotoxicosis, Clinics in Endocrinology and Metabolism. 7:221-240, 1978. \*\*
99. Harris, A.R.C., Christianson, D., Smith, M.S., Fang, S., Braverman, L.E., and Vagenakis, A.G.: The physiological role of thyrotropin releasing hormone in the regulation of the thyroid stimulating hormone and prolactin secretion in the rat. *J. Clin. Invest.* 61:441-448, 1978.
100. Rudolph, M., Sakurada, T., Fang, S.L., Vagenakis, A.G., Braverman, L.E., and Ingbar, S.H.: Appearance of labeled metabolites in the serum of man after the administration of labeled thyroxine, triiodothyronine (T<sub>3</sub>) and reverse T<sub>3</sub>. *J. Clin. Endocrinol. Metab.* 46:923-928, 1978.
101. Sakurada, T., Rudolph, M., Fang, S.L., Vagenakis, A.G., Braverman, L.E., and Ingbar, S.H.: Evidence that triiodothyronine and reverse triiodothyronine are sequentially deiodinated in man. *J. Clin. Endocrinol. Metab.* 46:916-922, 1978.
102. Roti, E., Christianson, D., Harris, A.R.C., Braverman, L.E., and Vagenakis, A.G.: "Short" loop feedback regulation of hypothalamic and brain thyrotropin releasing hormone content in the rat and dwarf mouse. *Endocrinology*, 1978.
103. Eisenstein, Z., Hagg, S., Vagenakis, A.G., Fang, S.L., Ransil, B., Burger, A., Balsam, A., Braverman, L.E., and Ingbar, S.H.: Effect of starvation on the production and peripheral metabolism of 3,3',5'-triiodothyronine in euthyroid, obese subjects. *J. Clin. Endocrinol. Metab.*, 1978.
104. Harris, A.R.C., Fang, S.L., Vagenakis, A.G., and Braverman, L.E.: Effect of starvation, nutriment replacement and hypothyroidism on in vitro hepatic T<sub>4</sub> to T<sub>3</sub> conversion in the rat. *Metabolism*, 1978.
105. Harris, A.R.C., Fang, S.L., Azizi, F., Lipworth, L., Vagenakis, A.G., Braverman, L.E.: Effect of starvation on hypothalamic-pituitary-thyroid function in the rat. *Metabolism*, 1978.



70. Segall-Blank, M., Vagenakis, A.G., Treves, S., Shwachman, H., Ingbar, S.H., and Braverman, L.E.: Evaluation of thyroid function and pituitary TSH reserve in patients with cystic fibrosis. Program, Cystic Fibrosis Club Annual Meeting, San Francisco, April 26, 1977.
71. Abreau, C.M., Vagenakis, A.G., Fournier, L., and Braverman, L.E.: Use and misuse of the serum T<sub>3</sub> concentration and free T<sub>3</sub> index, <sup>228</sup> J. Nucl. Med. 18:629, 1977.
72. Coiro, V., Christianson, D., Fang, S.L., Braverman, L.E., and Goodman, H.M.: Effect of Hypothyroidism and T<sub>4</sub> Replacement on Biologically Active Growth Hormone (GH) in the Rat. Program, American Thyroid Association 53rd Meeting, Cleveland, Ohio, p.T10, 1977.
73. Harris, A., Fang, S., Braverman, L., and Vagenakis, A.: Effect of Carbohydrate (CHO), Protein (P), and Fat (F) Infusion on Hepatic T<sub>3</sub> Generation in the Fasted Rat. Program, American Thyroid Association 53rd Meeting, Cleveland, Ohio p.T13, 1977.
74. Hagg, S., Ingbar, S.H., Vagenakis, A., and Braverman, L.E.: Metabolic control of peripheral thyroxine metabolism. Program American College of Physicians 59th Session, Boston, MA, Abstract number 14, 1978.
75. Harris, A., Fang, S., Proskey, J., Braverman, L., and Vagenakis, A.: Decreased deiodination of T<sub>4</sub> and reverse-T<sub>3</sub> (rT<sub>3</sub>) by the fetal and neonatal rat. Clin. Res. 26:306A, 1978.
76. Harris, A., Fang, S., Proskey, J., Vagenakis, A., and Braverman, L.: Sex differences in in vitro hepatic T<sub>3</sub> generation from T<sub>4</sub> in the rat. Program Endocrine Society 60th Meeting, p. 239, 1978.
79. Theodoropoulos, T., Christianson, D., Vagenakis, A.G., and Braverman, L.E.: Acute effects of diphenylhydantoin (DPH) on the hypothalamic-pituitary axis in the rat. Program Endocrine Society 60th Meeting. p. 123, 1978.





Lewis Braverman, M.D.

Grants

NIH5R01 AM18919-04 "Regulation of thyroid function  $T_4$  and  $T_3$  Kinetics"

ss

NIHAM07302-01 "Interdisciplinary studies of hormone function"



CURRICULUM VITAE

NAME: Robert Albert Boas

DATE AND PLACE OF BIRTH: October 21, 1938  
Lower Hutt, New Zealand

EDUCATION: Hutt Valley High School 1952-1956  
Victoria University, Wellington 1957  
University of Otago Medical School, Dunedin 1958-1962

DEGREES: M.B., CH.B., University of Otago 1962  
F.F.A.R.A.C.S. 1967 (Fellow of the Faculty of Anaesthetists  
of the Royal Australasian College of Surgeons)

PRIZES: New Zealand Anaesthetic Registrar's Prize for the Best Original  
paper 1965  
"Intra Venous Regional Anaesthesia"

GUEST LECTURESHIPS:

1. Post Graduate Symposium of Post Operative Care  
Waikato Medical Society 1973
2. New Zealand Medical Association Annual  
Invitation Lecturer Auckland Museum and Institute 1975
3. General Practitioner Refresher Course Lecturer  
Auckland 1975
4. Anson Memorial Foundation - (New Zealand)  
First National Travelling Lecturer 1976
5. Mass. Medical Society 196th Annual Meeting  
Feature Speaker 1977
6. American Broadcasting Corporation. 30 min.  
"House Call" program on Chronic Pain. 1977
7. Convener - Symposium on Cancer Pain.  
University of Massachusetts Medical Center 1978
8. Harvard Medical School
  - a) Orthopedic Surgical Meeting  
Peter Bent Brigham - "Low Back Pain" 1977
  - b) Symposium on Regional Anesthesia.  
Parker House 1978
  - c) Neurolytic Blocks.  
Peter Bent Brigham 1978
9. American College of Surgeons - Massachusetts Chapter Annual Scientific Meeting  
"Post Surgical Pain Syndromes" 1978
10. American Society of Regional Anesthesia Workshop "Autonomic Blocks"  
Park Plaza Boston 1978

11. University of Massachusetts - Symposium on Gynecologic Oncology  
"Management of Gynecologic Cancer Pain" 1978
12. Co Convener - "Low Back Pain" Meeting  
University of Massachusetts Medical Center 1978

PROFESSIONAL REPRESENTATIONS:

Foundation Member Auckland Hospital Ethical Committee 1973-1976

Member, New Zealand Government Medical Delegation, Visit to the Peoples Republic of China, 1974

New Zealand Medical Profession Representative to the Advisory Board of the Standards Institute of New Zealand 1973-1976

Member Auckland Hospital Medical Committee 1973-1974

PROFESSIONAL APPOINTMENTS:

1962 - 1963 (Intern)

House Surgeon. Auckland Hospital Board.

1964 - 1967 (Resident)

Registrar in Anaesthetics - Auckland Hospital Board

1968 -

Temporary Specialist. Department of Critical Care  
Auckland Hospital

1968 - 1970 Instructor in Anesthesiology. University of Washington,  
Seattle and Member of Pain Clinic, Harborview Hospital

1970 - 1971 Deputy Director, Department of Anaesthesia and Intensive  
Care, Central Hospital, Vasteras, Sweden.

1972 - 1976 Clinical Anaesthetist, Auckland Hospital Board.

Founder Pain Clinic. Auckland Hospital

Clinical Instructor in Anaesthetics, University of Auckland

CURRENT APPOINTMENT:

1976 - Associate Professor of Anaesthesia. Director of Pain Clinic,  
University of Massachusetts Medical Center, Worcester, Mass.

RESEARCH AND PUBLISHED WORK:

1. Boas, R. A., Tucker, G.T., Everett, G. B.: Cardiovascular Effects and Arterial Lidocaine Levels Associated with Intravenous Regional Anaesthesia. Scientific Papers 3rd European Congress of Anesthesiology, Prague, 1970.
2. Tucker, G. T., Boas, R.A.: Pharmacokinetic Aspects of Intravenous Regional Anaesthesia. Anaesthesiology 34:538-549, 1971.

RESEARCH AND PUBLISHED WORK: Continued

3. Boas, R. A., Allen, G. D., Everett, G. B.: Cardiovascular Effects of Ketamine and their Modification with Intravenous Diazepam. Abstracts and Scientific Papers - American Society of Anesthesiologists Annual Meeting, San Francisco, 247-248, 1973. Material in Dental Anesthesia and Analgesia. Ed. Gerald, D. Allen, Williams and Wilkins, 1972.
4. Boas, R. A., Allen, G. D., Rubin, A. J.: Cardiovascular responses to Intravenous Diazepam. Presented Annual Scientific Meeting, New Zealand Society of Anaesthetists. Rotorua, 1974. Material published in Dental Anesthesia and Analgesia. Ed. Gerald, D. Allen, Williams and Wilkins, 1972.
5. Hatangdi, V. S. and Boas, R. A.: Management of Intractable Pain. The Scope and Role of Nerve Blocks. N.Z.M.J. 81:45-48, 1975.
6. Douss, T. W. and Boas, R. A.: The Abdominal Cutaneous Nerve Entrapment Syndrome, N.Z.M.J. 81:373-375, 1975.
7. Boas, R. A., Hatangdi, V. S., Richards, E. G.: Lumbar Sympathectomy. A Percutaneous Chemical Technique. Advances in Pain Research and Therapy. E. J. J. Bonica and D. Albe-Fessard. Raven Press. 685-689, 1976.
8. Hatangdi, V. S., Boas, R. A., Richards, E. G.: Post Herpetic Neuralgia. Management with Antiepileptic and Tricyclic Drugs. Advances in Pain Research and Therapy. Ed. J. J. Bonica and D. Albe-Fessard, Raven Press. 583-587, 1976.
9. Boas, R. A.: Chronic Benign Pain. Pain, 2:359, 1976. (Letter)
10. Boas, R. A. and Hatangdi, V. S.: Electrical Stimulation in the Relief of Pain: A Pilot Study. N.Z.M.J. 84: 230-233, 1976.
11. Boas, R. A.: Radio-opaque Solutions for Neurolytic Blocks. Scientific Abstracts 14th Congress, Scandanavian Society of Anaesthesiologists, Uppsala, p. 42, 1977.
12. Boas, R. A.: Principles of Evaluation and Management of Intractable Pain Patients. New Ethicals, Patient Management. 13-22, September 1977.
13. Boas, R. A.: Splanchnic Nerve Block. Scientific Abstracts, American Society of Anesthesiologists, Annual Meeting, 641-642, 1977.
14. Boas, R. A.: Sympathetic Nerve Blocks. Chapter in "Regional Anesthesia - Advances in Selected Topics." Ed. M. Stanton-Hicks. Little Brown & Co. September, 1978.
15. Boas, R. A., and Longenecker, G.: Dextropropoxyphene and Carbamazepine Drug Interaction. In Press.
16. Boas, R. A., Löfström, J. B., Master, B. R., and Rubin, A. P.: Hazards of Chemical Sympathectomy. Brit. Med. J. 1978,1:1700. (Letter)

RESEARCH IN PROGRESS:

1. Boas, R. A., and Longenecker G.: Peripheral Neurolytic Blocks with Phenol/Renographic Solutions.
2. Boas, R. A., Berg, D. O., Shahnarian, A.: Post Surgical Low Back Pain - A Vascular Hypthesis - International Assoc. for the Study of Pain. 2nd International Symposium, Montreal, 1978.
3. Boas, R. A., Shahnarian, A., Covino, B.: Intravenous Lidocaine - A new tool in pain diagnosis and therapy for chronic pain.

UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

OFFICE MEMORANDUM

DATE July 6, 1978

- Muriel Sawyer  
Special Assistant to the Chancellor

- CA
- Harry J. Brick, Psychologist, Dept. of Pediatrics
- ECT • Requested Information for Annual Report.

H.J.B.

Additions to my publication list:

Brick, H. and Scheiner, A. A review of educational services in central Massachusetts. Accepted for publication, Journal of Pediatric Psychology, 1978.

Brick, H. and Viles, P. Brief psychotherapy for psychogenic dyspnea with a normal 11 year old. In preparation for submission, Winter, 1979 to Journal of Pediatrics

Brick, H. Use of multiple base lines to document child abuse. In preparation for submission, Fall, 1978.

HJB/wpc





UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Neal C. Brown Date July 18, 1978  
To Muriel Sawyer, Special Assistant to the Chancellor  
Subject Annual Report Information July 1, 1977 - June 30, 1978

1. ADDITIONS TO BIBLIOGRAPHY

- A) DNA Polymerase III of B.subtilis: Characterization of the Binding Site for Arylhydrazinopyrimidine Inhibitors. IN: DNA Synthesis: Present and Future. N.C. Brown and G.E. Wright. I. Molineaux and M. Kohiyama (Ed.) NATO Advanced Study Institute, Vol. 17 (1978).
- B) B.subtilis dnaF: A Mutation of the Gene Specifying the Structure of DNA Polymerase III. M.J. Vrooman, M.H. Barnes, and N.C. Brown. Mol. Gen. Genet. In press.
- C) Antibody to B.subtilis DNA polymerase III: Use in the Purification of Bacterial DNA Polymerases and the Study of their Structural Homology. M.A. Barnes and N.C. Brown. Fed. Proc. 37, 1416 (1978).

2. RESEARCH GRANTS

"The Structure and Function of a DNA Replicase". U.S.P.H.S. N.I.H. (N.C.I.) Grant CA15915. Total period of award 9/1/76 - 8/30/81

3. PROFESSIONAL ACTIVITIES

- a) Site visitor N.I.H. - University of Alabama, Birmingham 20-21 April 1978.
- b) Grant reviewer - ad hoc. Biochemistry Study section 1978.
- c) Speaker - Cold Spring Harbor Symposium on DNA Synthesis, June, 1978.
- d) Seminar speaker: Public Health Research Institute, N. Y., June, 1978.



Sumner H. Burstein, Ph.D., Department of Biochemistry

Annual Report Information

1. Publications:

- S. Burstein, S.A. Hunter, T.S. Shoupe, P. Taylor, A. Bartke and S. Dalterio. Cannabinoid Inhibition of Testosterone Synthesis by Mouse Leydig Cells. Res. Comm. Chem. Pathol. Pharmacol., 19, 557-560 (1978).
- S. Dalterio, A. Bartke and S. Burstein. Cannabinoids Inhibit Testosterone Secretion by Mouse Testes in vitro. Science, 196, 1472-1473 (1977).
- S. Dalterio, A. Bartke, C. Roberson, D. Watson and S. Burstein. Direct and Pituitary-Mediated Effects of  $\Delta^9$ -THC and Cannabinol on the Testes. Pharm. Biochem. Behav. (in press).
- S. Burstein and S.A. Hunter. Prostaglandins and Cannabis-VI. Release of Arachidonic Acid from HeLa cells by  $\Delta^1$ -THC and Other Cannabinoids. Biochem. Pharmacol. (in press).
- S. Burstein and R. Knapp. Chemotherapy of Murine Ovarian Carcinoma by Methotrexate-Antibody Conjugates. J. Med. Chem. 20, 950 (1977).

2. Current Research Grants:

- (a) Mechanism of Action and Metabolism of Cannabis. NIDA 5K05 DA 00043.
- (b) Metabolism of Marijuana-IV. NIDA 5R01 DA 02052.
- (c) Prostaglandins and Cannabis. NIDA 7R01 DA 02043.

3. Professional Activities:

Member: American Chemical Society, American Association for the Advancement of Science, New York Academy of Sciences.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE June 26, 1978

TO • Miss Muriel Sawyer

FROM • R. W. Butcher, Ph.D.

SUBJECT • Material for Annual Report

The following information is being furnished to you for inclusion in the Dean's Annual Report:

Additions to Bibliography

- Barber, R., Kelly, L.A., McGuire, R.F., and Butcher, R.W., Distortion of cyclic AMP responses to catecholamine due to destruction of the hormone. J. Cyclic Nucleotide Research, 3:249 (1977).
- Barber, R., Clark, R.B., Kelly, L.A., and Butcher, R.W., A model of desensitization in intact cells. In: Advances in Cyclic Nucleotide Research. W.J. George and L.J. Ignarro, Eds., Raven Press, New York, pgs. 507-516 (1978).
- Ray, K.P., Miller, T.B., Jr., and Butcher, R.W., Protein kinase activity in normal and SV40-transformed WI-38 cells (Submitted for publication to Biochem. J.).
- Kelly, L.A., and Butcher, R.W., Effects of  $\Delta^1$ -tetrahydrocannabinol on cyclic AMP in cultured human diploid fibroblasts (Submitted for publication to J. Molec. Pharma.).
- Chlapowski, F.J., Ray, K.P., and Butcher, R.W., Prolonged prostaglandin E<sub>1</sub> stimulation of cyclic AMP production in transformed and normal WI-38 fibroblasts (submitted for publication to In Vitro).
- Ray, K.P., Miller, T.B., Jr., and Butcher, R.W., Protein kinase activities in normal and SV-40 transformed human diploid fibroblasts. In: Advances in Cyclic Nucleotide Research, W.J. George and L.J. Ignarro, Eds., Raven Press, New York, pg. 780, Vol. 9 (1977). Abs.
- Kelly, L.A., and Butcher, R.W., Effects of tetrahydrocannabinol (THC) on cyclic AMP levels in cultured fibroblasts. In: Advances in Cyclic Nucleotide Research, W.J. George and L.J. Ignarro, Eds., Raven Press, N.Y., Vol. 9, pg. 771 (1977). Abs.
- Wu, Chih-fang, Kelly, L.A., and Butcher, R.W., cAMP escape from fibroblasts. In: Advances in Cyclic Nucleotide Research, W.J. George and L.J. Ignarro, Eds., Raven Press, New York, Vol. 9, pg. 781 (1977). Abs.





Kelly, L.A., and Butcher, R.W., Effects of  $\Delta^1$ -tetrahydrocannabinol (THC) on cyclic AMP metabolism in cultured human fibroblasts. In: Technical Review on Biochemical Mechanisms of Drug Actions on Neuronal Membrane Systems, Silver Springs, Maryland, March 16-17, 1978.

#### Current Research Grants

National Institutes of Health  
Title: Control of cyclic AMP levels  
Grant No. AM13904-09

National Institutes of Health  
Title: Actions of tetrahydrocannabinol on cyclic nucleotides  
Grant No. DA01192-03

Biomedical Research Support Grant (Program Director)  
Grant No. RR05712-07

Research Overhead Trust Fund (Program Director)  
Grant No. 08-035525

#### Professional Activities

American Diabetes Association  
American Physiological Society  
American Society of Biological Chemists  
The Endocrine Society  
The New York Academy of Sciences  
Tissue Culture Association  
NIH Alumni Association of the Foundation for Advanced Education in the Sciences  
Editorial Board, Advances in Cyclic Nucleotide Research, 1971 -  
Metabolism Study Section, National Institutes of Health, 1974 - 1978  
Associate Editor, Journal of Cyclic Nucleotide Research, 1974 -  
Chairman, Metabolism Study Section, National Institutes of Health, 1975-1978  
1978 Theodore Weicker Memorial Award Committee - November, 1977  
Senior Research Scholar, Commission for Educational Exchange Between the United States of America, Belgium and Luxembourg (Fulbright-Hays Act) September 1977 - June 1978.  
Professeur visiteur, Université Libre de Bruxelles, October 1977 -

#### Invited Lectures, Meetings, etc., July 1, 1977 to June 30, 1978

July 4-8, 1977 - Gordon Research Conference, Tilton, New Hampshire  
July 17-22, 1977 - Third International Conference on Cyclic Nucleotides, New Orleans, Louisiana



- September 14, 1977 - Site visit, NIH, Iowa City, Iowa
- September 30, 1977 - Second New England Conference on Cyclic Nucleotides, The Worcester Foundation for Experimental Biology, Shrewsbury, Massachusetts
- October 3-6, 1977 - Colloquium - Hormones and Cell Regulation, Bischoffberger, France
- November 9-12, 1977 - Study Section, NIH, Bethesda, Maryland
- November 10, 1977 - Committee meeting - 1978 Theodore Weicker Memorial Award, Bethesda, Maryland
- November 28, 1977 - Meeting of group of Chairmen of NIH Study Sections, Bethesda, Maryland
- March 1-4, 1978 - Study Section, NIH, Bethesda, Maryland

During period of September 1977 - June 1978 several trips to University of Brussels in Belgium in connection with research as a Senior Research Scholar (Fulbright-Hays).



R. W. Butcher, Ph.D.  
Associate Dean for Scientific Affairs  
Chairman, Department of Biochemistry



MATERIAL FOR ANNUAL REPORT

1977-1978

Kristin R. Carlson

Associate Professor

Department of Pharmacology

ADDITIONS TO BIBLIOGRAPHY

Refereed Articles

Carlson, K.R. Supersensitivity to apomorphine and stress two years after chronic methadone treatment. Neuropharmacology 16: 795-798, 1977.

Carlson, K.R. Effect of chronic oral methadone treatment on the growth of maturing monkeys. J. Med. Primatology 6: 309-314, 1977.

Carlson, K.R. and Almasi, J. Behavioral supersensitivity to apomorphine following chronic narcotic treatment in the guinea pig. Psychopharmacology 57: 273-277, 1978.

Carlson, K.R. and Almasi, J. Sensitivity to apomorphine in the guinea pig as a function of age and body weight. Psychopharmacology 57: 279-282, 1978.

Book Chapters

Carlson, K.R. Narcotic mechanisms and dyskinesias. IN: Animal Models in Psychiatry and Neurology, Hanin, I. and Usdin, E. (Eds.). New York: Pergamon Press, 1977. Pp. 391-404.

Carlson, K.R. "Tardive dyskinesia" resulting from chronic narcotic treatment. IN: Tardive Dyskinesia: Research and Treatment, Smith, R.C., Fann, W.E., Davis, J.M., and Domino, E.F. (Eds.). New York: Spectrum Books, in press.

Published Abstract

Carlson, K.R. A syndrome resembling tardive dyskinesia which results from chronic methadone treatment. Psychopharmacology Bull., in press.

RESEARCH GRANTS (AS P.I.)

Chronic oral methadone effects on primate behavior. NIDA.

Dopaminergic hypersensitivity: Relation to tardive dyskinesia and psychosis. Scottish Rite Schizophrenia Research Program.

Dopaminergic hypersensitivity induced by chronic narcotic treatment: A neurochemical assay. BRSG.



Chronic narcotic effects on behavior and neurochemistry. NIDA  
renewal, pending.

#### PROFESSIONAL ACTIVITIES

##### Invited Lectureships

Workshop on Animal Models in Psychiatry and Neurology, NIMH, Rockville, MD.

Neuropharmacology Section, McLean Hospital, Belmont, MA.

Symposium on Tardive Dyskinesia - Basic Issues, American College of  
Neuropsychopharmacology, San Juan, P.R.

##### Journal Refereeing

Psychopharmacology

Pharmacology Biochemistry and Behavior

Science

##### Other Activities

Gordon Research Conference on Catecholamines.

Returned, by invitation, to the University of Pittsburgh Medical School  
to teach the Psychopharmacology section of Medical Pharmacology.





CURRICULUM VITAE

Robin John Oakley Catlin, M.D.

DATE OF BIRTH: December 17, 1927

HOME ADDRESS: 106 Lovell Road  
Holden, Massachusetts  
617-829-5090

PRESENT APPOINTMENT: Professor and Chairman  
Department of Family and Community Medicine  
University of Massachusetts Medical School  
Worcester, Massachusetts

TELEPHONE: 617-856-3017

EDUCATION: July 1951 - M.R.C.S., L.R.C.P.  
October 1951 - M.B., B.S., (London)  
Guys Hospital Medical School

ROTATING INTERNSHIP: October 1951 - October 1952 - House Officer  
Post in Medicine and Surgery, Queen Mary's  
Hospital, Sidcup, Kent  
1960 - M.R.C.G.P.  
1968 - Diploma in Medical Jurisprudence  
1974 - F.R.C.G.P.  
1976 - E.C.F.M.G.  
1977 - Flex, Boston, Massachusetts  
1977 - Massachusetts

MEDICAL LICENSURE: 1977 - Massachusetts

BOARD CERTIFICATION: Board eligible  
American Board of Family Physicians

PRESENT HOSPITAL APPOINTMENTS:

1976 - present, University of Massachusetts Medical School, Active  
1976 - present, Holden District Hospital, Courtesy  
1976 - present, Worcester City Hospital, Courtesy  
1976 - present, Worcester Hahnemann Hospital, Consultant

PROFESSIONAL ORGANIZATIONS:

American Academy of Family Physicians  
Massachusetts Academy of Family Physicians  
Society of Teachers of Family Medicine  
Association of American Medical Colleges  
North America Primary Care Research Group  
Massachusetts Medical Society  
Worcester District Medical Society

PRESENT ACTIVITIES:

1. Developing research based on an efficient computerized data collective system in the Department of Family Practice, University of Massachusetts. This work is being supported by a "set-up" grant/loan from the Research Trust, as it is used this will become an institutional responsibility.
2. Developing and encouraging specific research in the Department both by faculty and residents in identified problems and diverse complexes.



## CURRICULUM VITAE

Robin John Oakley Catlin, M.D.

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### PRESENT ACTIVITIES (con't):

3. Developing epidemiological and other studies in an identified community using a multi-disciplinary team approach in attempting to evaluate medical care in socio-economic cost benefit terms.
4. A major faculty development project for the Department of Family and Community Medicine is the subject of a grant proposal which has recently been submitted to the Department of Health, Education, and Welfare. This will help to identify and train individual physicians to meet the needs of developing family physician training programs, and undergraduate preceptorships.

### PAST POSITIONS:

Chairman, Faculty Council, University of Massachusetts  
Medical School - 1976 - 1977

Regional Adviser in General Practice, North East Thames Region  
British Postgraduate Medical Federation  
University of London - 1972 - 1976

Medical Adviser to Chief Constable, The Essex Police Force  
1964 - 1976

General Practitioner,  
Chelmsford, Essex - 1958 - 1976

Physician to Nurses (Clinical Assistant), St. John's Hospital,  
Chelmsford, Essex - 1961 - 1976

Service in H.M. Forces, 1952 - 1958  
Initially National Service, transferring after 18 months  
to a four-year short service commission

Attended Junior R.A.M.C. Officers Course at the Royal Army  
Medical College, Millbank, 1954

Awarded 1st prize for the course and also a prize for Army  
Health

Subsequently appointed Junior Specialist in Army Health  
as a Temporary Major and held position of Deputy Assistant  
Director of Army Health to the 3rd Infantry Division East  
Anglican District and finally 1st Infantry Division, Salis-  
bury Plain District, in the rank of Major.

On retirement, granted Honorary rank of Major, and served  
for 4 years as Major (D.A.D.A.H.) T.A.

### BACKGROUND INTERESTS:

The partnership in United Kingdom developed into a group practice with a high standard of premises which allowed participation in undergraduate and postgraduate education. The whole practice is engaged in operational research and epidemiology, taking part for one year in the National Morbidity Survey. Since then the practice has continued its own epidemiological survey, based on its Age/Sex Register, of Doctor/Patient contracts being coded both as to diagnosis and disposal and investigation.



## CURRICULUM VITAE

Robin John Oakley Catlin, M. D.

Page 3

### BACKGROUND INTERESTS (con't):

For many years as a representative, not only of my own partnership but of my colleagues working in the town of Chelmsford, I served as an elected member of the Essex Local Medical Committee, which governs and controls the standards of practice in the county serving a population of 4 million persons.

From 1960 I was an active member of the Royal College of General Practitioners in its Northern Home Counties Faculty. My major interest has been in the educational field and I served on the Faculty Board and its Education Sub-Committee. I have been both Secretary and Chairman of that Sub-Committee and also of the Eastern Region Sub-Committee of the Board. Since the re-organization of Faculty boundaries and the foundation of the Essex Faculty I was invited to hold the post of Chairman of the new faculty during the first two years. For the college I was asked to arrange a Symposium at Brunel University on the "Future G.P. -- Learning and Teaching". I was also asked to take part in, and later to be responsible for, the Advanced Course in General Practice held at the College Headquarters. Once again in 1975 I was requested to act as Tutor to this course.

In 1974, I was appointed a member of the Council of the Royal College of General Practitioners, as a member of its Board of Censors, which is responsible for setting standards for Membership of the College and I was appointed as examiner for Membership of the College in 1975.

Upon being appointed Regional Adviser in General Practice I became more extensively involved in Postgraduate Education, particularly in General Practice. The work involved cooperation with other undergraduate and postgraduate institutions. Particularly, I cooperated with two of the Medical Schools in my Region, The London Hospital Medical College, and St. Bartholomew's Medical College. In connection with courses for teachers in General Practice I worked with the Department of Social Studies of the North East London Polytechnic and the Department of Education of the Mid-Essex Technical College.

I served on an academic working party on Primary Health Care in the Region, and also on a regional working party on Geriatric Medicine. The former working party is attempting to define and evaluate standards of primary care, and is attempting to correlate known data about general practice, which is held by Family Practitioner Committees, with methods of quality control. Process and outcome audit of tracer conditions is contemplated.

I am a Fellow of the Royal Society of Medicine and a member of its General Practice Section and its Council and also a member of the Association of the Study of Medical Education, and a member of the Society of Teachers of Family Medicine.

I was also for some years, the Medical Adviser to the Chief Constable of Essex and in addition Divisional Police Surgeon for the Chelmsford Division of that Force. In this connection I was a member of the Association of Police Surgeons of Great Britain and have been a member of its Council.





# CURRICULUM VITAE

Robin John Oakley Catlin, M.D.

Page 4

## PUBLICATIONS:

I have taken part in several collective studies, commencing with a series organized by the General Practice Research Group. My feeling has been that individual practice research is limited in value and therefore it has been my policy only to take part in the writing or constructing of joint clinical studies in relation to general practice.

I took part in the National Morbidity Survey, Second Series, the results of which were published in 1974. I have also taken part in the Royal College of General Practitioners Oral Contraceptive Survey, a first report also being published in 1974.

A recent paper entitled "Menopausal Flushing: Double-blind Trial of a Non-hormonal Medication" by J.P. Clayden, J.W. Bell, and P. Pollard (British Medical Journal 1974, 1 409-412) contains work in which I was a participant.

I have also written short general articles such as that on Diminished Responsibility with a private circulation by the Christian Medical Fellowship in its series "Guidelines" No. 46.

A paper read to the Section of Medical Education of the Royal Society of Medicine in November 1974, entitled "Modified Essay Questions As A Means of Assessing Teaching Ability -- A Preliminary Study," is in the press.

A report on an Exchange Visit to the University of Washington, Department of Family Medicine has been submitted to the University of London, the Royal College of General Practitioners and the King George's Hospital Fund.

An article on "Dizziness in General Practice" published in Update as is an article on Postgraduate Medical Centres, 9-17-75.

Paper, "A Family Practice Data Base" accepted for presentation at the annual meeting of Mumps Users' Group, Catlin, Robin J.O., Marx, Merrill, S., Rothmeier, Jeffrey, Boston, Massachusetts, September, 1977.



CURRICULUM VITAE

Robin John Oakley Catlin, M.D.

Page 5

BOOK REVIEWS:

1. Physical Examination of the Spine and Extremities, published in the Journal of Family Practice, June, 1977, Vol. 4, No. 6, page 1032.
2. Clinical Interviewing Skills, Third Edition, published in the Journal of Family Practice, April 1978, Vol 6, No. 6, page 866.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE August 1, 1978

TO • Muriel Sawyer

FROM • Francis J. Chlapowski, Ph.D. - Department of Biochemistry

SUBJECT • Annual Report Information

1. Additions to Bibliography

Minsky, B.D. and F.J. Chlapowski, 1978. Morphometric analysis of the translocation of luminal membrane between cytoplasm and cell surface of transitional epithelial cells during the expansion-contraction cycles of mammalian urinary bladder. J. Cell Biol. 77: 685-697.

Chlapowski, F.J., K.P. Ray and R.W. Butcher, 1978. Prolonged prostaglandin E<sub>1</sub> stimulation of cyclic AMP production in transformed and normal WI-38 fibroblasts. In Vitro 14: (in press).

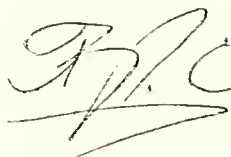
Chlapowski, F.J., 1978. Morphology and cyclic AMP metabolism of normal and spontaneously transformed rabbit transitional epithelium in vitro. Life Sciences (in press).

2. Current Research Support

NIH - NCI Grant CA 21612-02 - Cyclic AMP Metabolism in Transitional Epithelium

3. New Assignments

Search Committee for Chairperson of Anatomy





UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 7, 1978

TO • Ms. Muriel Sawyer, Special Assistant to the Chancellor

FROM • Dr. Sam L. Clark, Jr., Director, Center for Educational Services

SUBJECT • Annual Report Information

We submit the following information in response to your memo  
of June nineteenth:

1. Additions to bibliography: None
2. Current research grants: None
3. Professional activities:

Second Vice President, American Association of Anatomists  
Managing Editor, American Journal of Anatomy  
Received grant application for National Science Foundation  
Accreditation Team, Medical College of Georgia

S. L. C., Jr.





# CURRICULUM VITAE

Benjamin G. Covino

Born: September 12, 1930, Lawrence, Mass.

1951 A.B. Holy Cross College, Worcester, Mass.

1953 M.S. (Physiology) Boston College Graduate School,  
Chestnut Hill, Mass.

1955 Ph.D. (Physiology) Boston University Graduate School,  
Boston, Mass.

1962 M.D. University of Buffalo School of Medicine, Buffalo, New York

1955-1957 Research Physiologist, Artic Aeromedical Laboratory  
Ladd Air Force Base, Fairbanks, Alaska

1957-1959 Assistant Professor of Pharmacology  
Tufts University School of Medicine, Boston, Mass.

1959-1962 Assistant Professor of Physiology  
University of Buffalo School of Medicine, Buffalo, New York

1962-1966 Medical Director, Astra Pharmaceutical Products, Inc.

1963-present Clinical Pharmacologist and Consulting Physiologist  
Department of Medicine, St. Vincent's Hospital, Worcester, Mass.

1967-1977 Vice President in Charge of Scientific Affairs  
Astra Pharmaceutical Products, Worcester, Mass.

1974-1977 Clinical Fellow, Department of Anesthesiology  
Massachusetts General Hospital, Boston, Mass.

1976-present Professor of Anesthesiology  
University of Massachusetts Medical School, Worcester, Mass.

1977-present Research Director and Executive Vice President  
Astra Research Laboratory, Framingham, Mass.

1978-present Clinical Associate, Department of Anesthesiology  
Massachusetts General Hospital and  
Lecturer, Harvard Medical School, Boston, Mass.

Medical license - State of New York and Commonwealth of Massachusetts

## Memberships:

1954 Sigma Xi

1957 American Physiological Society

1962 American Heart Association

1962 AOA Medical Honor Society

1963 American Federation for Clinical Research

1963 International College of Angiology

1963 American College of Clinical Pharmacology and Chemotherapy

1967 American Society for Pharmacology and Experimental Therapeutics

1967 American Therapeutic Society

1976 American Society of Anesthesiology

1976 American Society of Regional Anesthesia

## Bibliography

- Sullivan, B.J. and Covino, B.G.: Peripheral Vascular Responses to Prostbite as Influenced by Alcohol.  
Am. J. Physiol. 175:61-64, 1953
- Covino, B.G., Charleson, D.A. and D'Amato, H.E.: Ventricular Fibrillation in the Hypothermic Dog.  
Am. J. Physiol. 178:148-155, 1954
- Covino, B.G., Wright, R. and Charleson, D.A.: Effectiveness of Several Antifibrillatory Drugs in the Hypothermic Dog.  
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Am. J. Physiol. 181:362-366, 1955
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Am. J. Physiol. 181:553-558, 1955
- Covino, B.G. and Hegnauer, A.H.: Ventricular Excitability During Hypothermia and Rewarming in the Dog.  
Proc. Soc. Exp. Biol. Med. 89:659-662, 1955
- Covino, B.G. and Hegnauer, A.H.: Electrolytes and pH Changes in Relation to Hypothermic Ventricular Fibrillation.  
Circ. Res. 3:575-580, 1955
- Covino, B.G. and Hegnauer, A.H.: Hypothermic Ventricular Fibrillation and its control.  
Surgery 40:475-480, 1956
- Beavers, W.R. and Covino, B.G.: Immersion Hypothermia: The Effect of Glycine.  
Proc. Soc. Exp. Biol. Med. 92:319-322, 1956
- Covino, B.G. and Beavers, W.R.: Hind Limb Blood Flow During Immersion Hypothermia.  
J. Appld. Physiol. 10:146-150, 1957
- Beavers, W.R. and Covino, B.G.: Aminoacetic Acid (Glycine) as an Antifibrillatory Agent in Hypothermia.  
AMA Arch. Surg. 75:776-779, 1957
- Covino, B.G. and Beavers, W.F.: Effects of Hypothermia on Ventricular Fibrillatory Threshold.  
Proc. Soc. Exp. Biol. and Med. 95:631-634, 1957

- Covino, B.G. and Beavers, W.R.: Cardiovascular Response to Hypothermia: Effect of Cold Acclimitization.  
Am. J. Physiol. 191:153-156, 1957
- Hannon, J.P. and Covino, B.G.: Effect of Hypothermia on Cellular Respiration of Ventricular Tissue.  
Am. J. Physiol. 192:121-125, 1958
- Hock, R.J. and Covino, B.G.: Hypothermia  
Scientific American 198:104-114, 1958
- Adams, T. and Covino, B.G.: Racial Variation to a Standardized Cold Stress.  
J. Appld. Physiol. 12:9-12, 1958
- Covino, B.G.: Antifibrillary Effect of Nephentermine Sulfate (Wyamine) in General Hypothermia.  
J. Pharm. and Exp. Therap. 122:418-422, 1958
- Covino, B.G. and Beavers, W.R.: Changes in Cardiac Contractility During Immersion Hypothermia.  
Am. J. Physiol. 195:433-436, 1958
- Covino, B.G. and Beavers, W.R.: The Effect of Cold on the Isolated and Intact Rabbit Heart.  
J. Appld. Physiol. 13:422-424, 1958
- Covino, B.G. and Hannon, J.P.: Myocardial Metabolic and Electrical Properties of Rabbits and Ground Squirrels at Low Temperatures.  
Amer. J. Physiol. 197:494-498, 1959
- Covino, B.G., Margolis, N. and D'Amato, H.E.: Effect of Various Drugs on Surgically Induced Ventricular Fibrillation in Hypothermia.  
Amer. Heart J. 58:750-754, 1959
- D'Amato, H.E., Kronhein, S. and Covino, B.G.: Cardiovascular Function in the Dog rewarmed Rapidly and Slowly from Deep Hypothermia.  
Am. J. Physiol. 198:333-335, 1960
- Covino, B.G. and D'Amato, H.E.: Mechanism of Ventricular Fibrillation in Hypothermia.  
Circulation Res. 10:148-155, 1962
- Covino, B.G. and Gillen, H.W.: Direct Effects of Pentylenetetrazol on Isolated Cardiac Tissue.  
J. Pharmacol. and Exper. Therap. 135:136-141, 1962
- Rennie, D.W., Covino, B.G., Blair, M.R. and Rodahl, K.: Physical regulation of temperature in Eskimos.  
J. Appld. Physiol. 17:326-332, 1962
- Gillen, H.W., and Covino, B.G.: Effect of Metrazol on the Isolated Perfused Mammalian Heart.  
Nature 193:278, 1962

- Rennie, D.W., Covino, B.G., Howell, B.J., Song, S.W., Kang, B.S., and Hong, S.K.: Physical insulation of Korean Diving Women. J. Appld. Physiol. 17:961-966, 1962
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- Covino, B.G., and Rachwall, P.: Comparative Cardiac Effect of Quinidine and N,N-Bis (phenylcarbamoylmethyl)-dimethylammonium Chloride (QX-572), A New Antiarrhythmic Agent. J. of New Drugs 4:30-37, 1964
- Crawford, O.B., Hollis, R.W., and Covino, B.G.: Clinical Tolerance and Effectiveness of Propitocaine, a New Local Anesthetic Agent. J. of New Drugs 5:162-170, 1965
- Lee, J.B., Covino, B.G., Takman, B.H., and Smith, E.R.: Renomedullary Vasodepressor Substance, Medullin: Isolation, Chemical Characterization and Physiological Properties. Cir. Res. 17:57-77, 1965
- Schwartz, M.L. Stapleton, J. and Covino, B.G.: Clinical Pharmacology of N,N-Bis (phenylcarbamoylmethyl)-dimethylammonium Chloride (QX-572), A New Antiarrhythmic Agent. The J. of Clinical Pharmacology 7:278-286, September-October, 1967
- Lund, P.C. and Covino, B.G.: Distribution of Local Anesthetics in Man Following Peridural Anesthesia. The J. of Clinical Pharmacology 7:324-329, November-December, 1967
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- Belliveau, R.E., and Covino, B.G.: Effect of Antiarrhythmic agents on Cardiac Metabolism. Arch. int. Pharmacodyn. 172:130-138, March 1968
- Covino, B.G. and D'Amato, H.E.: Current Status of Antiarrhythmic Drug Therapy. J. Electrocardiology 1:129-134, 1968.
- Covino, B.G. and Shannon, C.M.: Effect of Several New Antiarrhythmic Agents on Atrial Contractility. Arch. int. Pharmacodyn. 178:185-192, March 1969
- Belliveau, R.E. and Covino, B.G.: Cardiac Metabolism During Hypothermia. Arch. int. Pharmacodyn 180:331-340, August 1969
- Belliveau, R.E. and Covino, B.G.: Effects of a New  $\beta$ -Adrenergic Receptor Blocking Agent, Alprenolol, and Its Optical Isomers. Arch. int. Pharmacodyn. 180:341-349 August 1969



4.  
Poppers, P.J., Mastri, A.R., Lebeaux, M., and Covino, B.G.: The Effect of Methylene Blue on Neural Tissue. *Anesthesiology* 33: 335-340, September 1970, No. 3

Schwartz, M.L., Webb, N.C., Covino, B.G., Finck, E.M., and Haider, B.: Comparative Antiarrhythmic Effects of Intravenously Administered Lidocaine and Procainamide and Orally Administered Quinidine. *The American Journal of Cardiology* 26: 520-523, November 1970.

Schwartz, M.L. and Covino, B.G.: Comparison of Lidocaine and Other Antiarrhythmic Agents in Ventricular Arrhythmias Unrelated to Myocardial Infarction. Proceedings of a Symposium held in Edinburgh, Scotland, September 1970, published by E&S Livingstone, 1971.

Schwartz, M.L., Haider, B., Covino, B.G. and Co, R.G.: Antiarrhythmic Effectiveness of Alprenolol, a New Beta Adrenergic Receptor Blocking Agent. *Journal of Electrocardiology*, 3: 211-216, 1970.

Covino, B.G.: Comparative Clinical Pharmacology of Local Anesthetic Agents. *Anesthesiology* 35: 158-167, August 1971, No. 2

Finster, M., Morishima, H.O., Boyes, R.N., and Covino, B.G.: The Placental Transfer of Lidocaine and Its Uptake by Fetal Tissues. *Anesthesiology* 36: 159-163, February 1972, No. 2

Covino, B.G.: Local Anesthesia. *New England Journal of Medicine*, 286: 975-983, 1035-1042 (May 4), (May 11), 1972.

Covino, B.G.: Farmacologia Clinica Comparativa dos Anestesicos Locais. *Revista Brasileira de Anestesiologia* 23: 204-221, April/June 1973.

Covino, B.G.: New Local Anesthetic Agents. Extrait des Journées d'enseignement post-universitaire d'anesthésiologie et de réanimation. Paris - Mars 1973.

Covino, B.G.: New Local Anesthetics for Pain Therapy. *Advances in Neurology* 4: 463-470, 1974.

Poppers, P.J., Katz, R.L., Ericson, E.V., Meyer, M.B., Covino, B.G.: Evaluation of Etidocaine, A New Local Anesthetic Agent, with a Modified Bilateral Ulnar Nerve Block Technique. *Anesthesiology* 40: 13-18, January 1974.

Schwartz, M.L., Meyer, M.B., Covino, B.G., Narang, R.M., Sethi, V., Schwartz, A.J. and Kamp, P.: Antiarrhythmic Effectiveness of Intramuscular Lidocaine: Influence of Different Injection Sites. *J. of Clin. Pharmacology*, 14: 77-83, February-March 1974, No. 2 & 3.

- Boyes, R.N., Adams, J.H. and Covino, B.G.: Farmacología de Duranest® (Etidocaína). Un Neuvo Agente Anestésico Local de Duracion Prolongada. Rev. Mex. Anest. 23: 81-87, March-April 1974.
- Schwartz, M.L., Covino, B.G., Narang, R.M. et al: Blood Levels of Lidocaine following Subcutaneous Administration Prior to Cardiac Catheterization. American Heart Journal 88: 721-732, December 1974.
- Covino, B.G. and Bush, D.F.: Clinical Evaluation of Local Anesthetic Agents. Br. J. Anaesth. 47: 289-296, February 1975.
- Lund, P.C., Bush, D.F. and Covino, B.G.: Determinants of Etidocaine Concentration in the Blood. Anesthesiology 42: 497-503, April 1975.
- Poppers, P.J., Covino, B.G. and Boyes, R.N.: Epidural Block with Etidocaine for Labour and Delivery. Acta anaesth. scand., Suppl. 60, 89-93, 1975.
- Scott, D.B., Littlewood, D.G., Covino, B.G. and Drummond, G.B.: Plasma Lignocaine Concentrations following Endotracheal Spraying with an Aerosol. Br. J. Anaesth. 48: 899-902, September 1976.
- Littlewood, D.G., Scott, D.B., Wilson, J. and Covino, B.G.: Comparative Anaesthetic Properties of Various Local Anaesthetic Agents in Extradural Block for Labour. Br. J. Anaesth. 49: 75-79, January 1977.
- Tucker, G.T., Cooper, S., Littlewood, D., Buckley, F.P., Covino, B.G. and D.B. Scott: Observed and Predicted Accumulation of Local Anaesthetic Agents during Continuous Extradural Analgesia. Br. J. Anaesth. 49: 237-242, March 1977.
- Wildsmith, J.A.W., Tucker, G.T., Cooper, S., Scott, D.B., Covino, B.G.: Plasma Concentrations of Local Anaesthetics after Interscalene Brachial Plexus Block. Br. J. Anaesth. 49: 461-466, May 1977.
- Covino, B.G.: Physiologic Disposition of Local Anesthetic Agents. Regional Anesthesia 2: 6-7, April-June 1977.
- Scott, D.B., Littlewood, D.G., Drummond, G.B., Buckley, P.F. and Covino, B.G.: Modification of the Circulatory Effects of Extradural Block Combined with General Anaesthesia by the Addition of Adrenaline to Lignocaine Solutions. Brit. J. Anaesth. 49: 917-925 September 1977.
- Covino, B.G.: Clinical Pharmacology of Local Anesthetic Agents. Proceedings of the International Symposium on Local Anaesthetics and Regional Anaesthesia. The Hague, 1977.
- Covino, B.G.: Pharmacology and Physiology of Local Anesthetics. From ASA: Ref. Course in Anes., Chapter 4. 5: 33-46, 1977. Ed. S.G. Hershey. J.B. Lippincott Co., Philadelphia, PA.



Buckley, F.P., Littlewood, D.G., Covino, B.G. and Scott, D.B.: —  
Effects of Adrenaline and the Concentration of Solution on Extradural  
Block with Etidocaine. Br. J. Anaesth. 50:171-175, 1978

Covino, B.G.: Cardiovascular Effects of Spinal and Epidural Anesthesia  
Regional-Anaesthesia 1:23-26, 1978.

Hegnauer, A.H. and Covino, B.G.: "Myocardial Irritability in Experimental Immersion Hypothermia" published in The Physiology of Induced Hypothermia, Robert D. Dripps, ed., National Academy of Sciences, Washington, D.C., 1956, p 327-329.

Covino, B.G.: "Some Observation on Ventricular Fibrillation in Acute Hypothermia" published in Cold Injury, M. Irene Ferrer, ed., Josiah Macy, Jr., Foundation, p 135-138, 1957.

Schwartz, M.L. and Covino, B.G.: "Comparison of Lidocaine and other Antiarrhythmic Agents in Ventricular Arrhythmias Unrelated to Myocardial Infarction" published in Lidocaine in the Treatment of Ventricular Arrhythmias, D.B. Scott and D.G. Julian, eds., E & S Livingstone, 1971, p 102-112.

Covino, B.G. and Vassallo, H.B. 1976. Local Anesthetics: Mechanisms of Action and Clinical Use. Grune & Stratton, Inc., New York.

Covino, B.G.: "Local Anesthetics" published in Clinical Anesthesia Procedures of the Massachusetts General Hospital, Philip W. Lebowitz, ed., Little, Brown & Company, Boston, pp 62-78, 1978.

Covino, B.G.: "Local Anesthetic Agents" published in Practical Anesthetic Pharmacology by Rafik R. Attia and Alan W. Grogono, Appleton-Century-Crofts, New York, 1978.

1. Additions to Bibliography:

Articles

1. Assessment of Operative Risk by EKG Stress Testing in patients with Peripheral Vascular Disease. Accepted for publication. American J. Surgery
2. Paradoxical Coronary Artery Embolism. A possible Mechanism for myocardial infarction with subsequent normal coronary arteriography. Submitted for Publication.

Book

1. An Atlas of Bedside Procedure. In Press. Little Brown & Co.

2. Current Research Grants

Hoechst Roussel (Pharmaceutical Company). Clinical Evaluation of Pentoxifylline in Peripheral Vascular Disease

3. Professional Activities

Associate Professor of Surgery

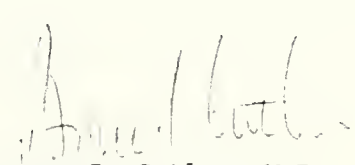
Clinical Cardiovascular Surgery (Patient care, and the teaching of patient care to students and residents occupies the majority of my time)

Director of the Vascular Laboratory

Service on Human Studies Committee at Worcester Polytechnic Institute

Service on eight UMass Hospital Committees

Clinical Research Activities

  
Bruce S. Cutler, M.D.  
June 1978



## CURRICULUM VITAE

JAMES E. DALEN, M. D.

Home Address: 15 High Street  
Southboro, Massachusetts 01772

Business Address: Department of Medicine  
University of Massachusetts Medical School  
Worcester, Massachusetts 01605  
Telephone: (617)856-2125

Date of Birth: April 1, 1932  
Seattle, Washington

Education: B. S. Washington State University 1955  
M. A. University of Michigan 1956  
M. D. University of Washington 1961  
M. S. Harvard School of Public Health 1972

Hospital Appointments:

1961-1962	Intern (Medicine) Boston City Hospital
1962-1963	Assistant Resident (Medicine) Boston City Hospital
1963-1964	Resident in Medicine Tufts New England Medical Center
1964-1974	Peter Bent Brigham Hospital Assistant in Medicine (1963-1967) Assoc. Director of Cardiovascular Laboratory (1967-1975) Jr. Associate in Medicine (1967-1968) Associate in Medicine (1968-1970) Senior Associate in Medicine (1970-1975)
1975	University of Massachusetts Medical Center Chief, Division Cardiovascular Medicine (1975-77) Physician-in-Chief (1977 - )

Consultant in Cardiology:

1967-1975	Massachusetts Mental Health Center
1972-1975	Boston City Hospital
1973	West Roxbury Veterans Administration Hospital



1975

Worcester City Hospital

## Academic Appointments:

1964-1975

Harvard Medical School

Research Fellow in Medicine (1964-1967)

Instructor in Medicine (1967-1969)

Assistant Professor of Medicine (1969-1974)

Associate Professor of Medicine (1974-1975)

1975 -

University of Massachusetts Medical School

Professor, and Chairman Department  
of Cardiovascular Medicine (1975-1977)Professor, and Chairman Department  
of Medicine (1977- )

1977

Worcester Polytechnical Institute

Affiliate Professor of Biomedical Engineering

## Research Appointments:

1959-1960

USPHS Undergraduate Research Fellow  
University of Washington

1964-1966

USPHS Postdoctoral Research Fellow  
Peter Bent Brigham Hospital

1966-1967

USPHS Special Research Fellow  
Peter Bent Brigham Hospital

1968-1970

Principal Investigator, Urokinase Pulmonary  
Embolism Trial, NHLI  
Peter Bent Brigham Hospital

1972-1975

Principal Investigator, Multiple Risk Factor  
Intervention Trial, NHLI  
Harvard University

## Extramural Activities:

American College of Cardiology

Fellow 1973 -

National Conference on Aviation Standards (Eighth Bethesda  
Conference), Chairman, Arterial and Venous Panel 1975

Continuing Education Committee 1977-

Governor for Massachusetts 1977-





American Heart Association	
Fellow, Council on Clinical Cardiology	1972 -
National Faculty, Advanced Life Support	1975 -
Fellow, Council on Epidemiology	1976 -
Massachusetts Affiliate	1976 -
Emergency Cardiac Care Committee	1975 -
Affiliate Faculty, Basic Life Support	1975 -
Affiliate Faculty, Advanced Life Support	1975 -
Research Allocations Committee	1976 -
Central Massachusetts Chapter	
Professional Education Committee	1975 -
Board of Directors	1976 -
Vice President	1976 -
Program Council	1977 -
New England High Blood Pressure Council	
Board of Directors	1976
President	1977
National Heart, Lung and Blood Institute, NIH	
Policy Review Board, Aspirin-Myocardial Infarction Study	1975
Advisory Committee to Clinical Applications and Prevention Division	1976 -
National Conference on Standards for Cardiopulmonary Resuscitation (CPR) and Emergency Care, Medicolegal Panel, 1973	
National Conference on Medicolegal Implications of Emergency Medical Care, Faculty, 1975	
American College of Chest Physicians	
Fellow	1973 -
Scientific Program Committee	1977 -
Annual Awards Committee	1977 -
Societies:	
Fellow, American College of Physicians	
Fellow, American College of Cardiology	
Fellow, American College of Chest Physicians	
Fellow, Council on Clinical Cardiology, American Heart Association	



Fellow, Council on Epidemiology, American Heart Association

Massachusetts Medical Society

American Federation for Clinical Research

American Thoracic Society

American Public Health Association

Phi Beta Kappa

American Clinical and Climatological Society

Association of University Cardiologists

Military Service:

1951-1953

U.S. Navy

Board Certification:

1961

National Board of Medical Examiners

1969

Internal Medicine

1973

Cardiovascular Disease



PUBLICATIONS

James I. Dalen, M.D.

1. Dalen, J.E.: An analysis of the interaction of the environmental hypoxia of moderate altitude on the pathophysiology and clinical manifestations of ostium secundum type atrial septal defects. Thesis, University of Washington School of Medicine, Seattle, 1961.
2. Dalen, J.E., Bruce, R.A. and Cobb, L.A.: Interaction of chronic hypoxia of moderate altitude on pulmonary hypertension complicating defect of the atrial septum. *New England J. Med.* 266:272-277, 1962.
3. Dexter, L. and Dalen, J.E.: Urokinase therapy in acute pulmonary embolism. In: Workshop on Clinical Studies of Urokinase. St. Louis, Missouri, 1966, pp.165-185.
4. Dalen, J.E., Mathur, V.S., Evans, H., Haynes, F.W., Pur-Shahriari, A.A., Stein, P.D. and Dexter, L.: Pulmonary angiography in experimental pulmonary embolism. *Am. Heart J.* 72:509-520, 1966.
5. Dalen, J.E., Haynes, F.W. and Dexter, L.: Life expectancy with atrial septal defect: influence of complicating pulmonary vascular disease. *JAMA* 200: 442-446; 1967.
6. Stein, P.D., O'Connor, J.F., Dalen, J.E., Pur-Shahriari, A.A., Hoppin, F.G., Jr., Hammond, D.T., Haynes, F.W., Fleischner, F.G. and Dexter, L.: The angiographic diagnosis of acute pulmonary embolism: evaluation of criteria. *Am. Heart J.* 73:730-741, 1967.
7. Dalen, J.E. and Dexter, L.: The diagnosis and management of massive pulmonary embolism. *Disease-A-Month*, August, 1967.
8. Dalen, J.E., Haynes, F.W., Hoppin, F.G., Jr., Evans, G.L., Bhardwaj, P. and Dexter, L.: Cardiovascular responses to experimental pulmonary embolism. *Am. J. Cardiol.* 20:3-9, 1967.
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84. Dalen, J.E., Ockene, I.S.: Pulmonary Angiography. *Proceedings of the New England Cardiovascular Society*, Vol.XXIX, pp. 13-15, June 1, 1977.
85. Dalen, J.E.: Pulmonary Embolism. *Clinical Challenge in Cardiopulmonary Medicine* #1, Vol. 1 with Self Assessment. American College of Chest Physicians, 1977.
86. Thames, M.D., Dalen, J.E. and Alpert, J.S.: Massive Pulmonary Embolism presenting as Syncope. *JAMA* Vol. 238, pp. 2509-2511, December, 1977.
87. Dalen, J.E. and Howe, J.P.: Acute Aortic Dissection. In *CARDIAC EMERGENCIES*. D. T. Mason, Editor, Williams & Wilkins, Chapter 12, pp. 285-295, 1977.
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89. Dalen, J.E.: Pulmonary Angiography is Not Indicated in All Patients with Suspected Pulmonary Embolism. In *CONTROVERSIES IN CARDIOVASCULAR DISEASE*. E. Rappaport, Editor, Saunders (in press).
90. Hamilton, W.T., Haffajee, C.I., Dalen, J.E., Dexter, L., Nadas, A.S.: Atrial Septal Defect Secundum: Clinical Profile with Physiologic Correlates in Children and Adults. (in press)
91. Dalen, J.E., Howe, J.P., and Stark, R.B.: The Scope of Cardiovascular Problems in the Commonwealth of Massachusetts. In *MAJOR HEALTH PROBLEMS IN MASSACHUSETTS*. E. Kovar, Editor, Boston: Massachusetts Public Health Association. (in press)
92. Pliskin, N., Alpert, J.S., Dalen, J.E., Sasahara, A.A.: Modelling the Diagnosis and Treatment of Pulmonary Embolism. *J. Med. Educ.* (in press)





Robin Davidson, M.D. Annual Report Information

1. Additions to Bibliography

Davidson, R.I., Zajac, J.J.: Spinal Epidural Empyema With the Brown-Sequard Syndrome. Surgical Neurology 9:195-197, 1978.

2. Grants - none

3. Professional Activities

Associate Professor of Neurosurgery, UMMC

Chairman, Statewide Spinalcord Committee

Senior Attending Neurosurgeon, St. Vincent's Hospital

Attended Course in Micro-Surgery University of Florida, Bainsville 8/21/77-8/26/77

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Additions to  
Bibliography

Publications

DeGIROLAMI, U. and HEFFNER, R.R.: Subacute Spongiform Encephalopathy (Creutzfeldt-Jakob disease) in Pathology of Tropical and Extraordinary Diseases Ed. by C.H. Binford and D.H. Connor. A.F.I.P., 1977, pp. 50-52.

DeGIROLAMI, U.: Pathology of Tumors of the Pineal Gland, in Tumors of the Pineal. Ed. by H. Schmidek, Masson, 1977, pp. 1-19.

BHAWAN, J., JORIS, I., DeGIROLAMI, U. and MAJNO, G.: Effect of Occlusion on Large Vessels. I. A Study of the Rat Carotid Artery. Am. J. Path. 88:355-380, 1977.

BHAWAN, J., DeGIROLAMI, U. and EDELSTEIN, L.M.: Multiple Layers of Basement Membrane Around Myelinated and Unmyelinated Fibers in Cellular Blue Nevus. Acta Neuropath. 38:243-245, 1977.

MORAWETZ, R.B., DeGIROLAMI, U., OJEMANN, R.G., MARCOUX, F.W. and CROWELL, R.M.: Cerebral Blood Flow Determined by Hydrogen Clearance During Focal Cerebral Ischemia in Unanesthetized Monkeys. Stroke (in press).

JORIS, I., BHAWAN, J., DeGIROLAMI, U., MORAWETZ, R.M., CROWELL, R.M. and MAJNO, G.: Surgical Repair of Wounded Arteries in the Rat: A Morphologic Comparison of Suture and Tissue Adhesive. Abstract: Am. J. Path. 86:60a, 1977.

MORAWETZ, R.B., JONES, T.H., OJEMANN, R.G., MARCOUX, F.W., DeGIROLAMI, U. and CROWELL, R.M.: Regional Cerebral Blood Flow During Temporary Middle Cerebral Artery Occlusion in Waking Monkeys. Acta Neurol. Scand. Abstract: Sup. 64, 56:114-115, 1977.

BHAWAN, J., JORIS, I., DeGIROLAMI, U. AND MAJNO, G.: The Carotid Artery of the Rat After Permanent Occlusion. Abstract: Am. J. Pathol. 86:42a, 1977.

Current Research Grants

Co-investigator in USPHS-NINDS

1--RO1-NS 13165-01 April 1976

Total amount of award for 3 years - \$ 200,000

Principal Investigator: R.M. CROWELL, M.D.

Department of Neurosurgery

Massachusetts General Hospital, Boston, MA.

Title: Reversibility of Focal Cerebral Ischemia.



Co-investigator in USPHS-NINDS  
2-P50 NS10828-04  
Total amount to UMMS for 1 year - \$ 11,020  
Principal Investigator - J. Taveras, M.D.  
Department of Radiology  
Massachusetts General Hospital, Boston, MA.  
Title: Interdepartmental Stroke Grant,  
Section VIII  
Microsurgical Cerebral Revascularization Tissue. Adhesives  
for Neurovascular Surgery.

Principal investigator in USPHS-NHLBI  
Approved and funded in September 1977,  
Number 5-26055  
Beginning Date - Jan. 1, 1978.  
Total amount of award for 3 years - \$ 211,830  
Title: Ischemia, Diabetes and the Microcirculation.

#### Professional Activities

Promoted to Associate Professor of Pathology (Neuropathology) and Neurology  
July 1, 1978.

#### Committees

- (a) Medical student Admissions Committees
- (b) Animal care Advisory Committee
- (c) Electron Microscope Committee
- (d) Graduate education and Research Committee
- (e) Financial Aid Committee
- (f) Search Committee - Chairman of Department of Neurology



Annual Report Information  
Lucian K. DeNicola, M.D.  
Assistant Professor of Pediatrics  
Director of Pediatric Emergency Services

A. Additions to Bibliography

1. DeNicola, L.K. "Emergency Pediatrics" Emergency Product News 9:24 Sept. 1977
2. Letter to Editor, Pediatrics 61:144 Jan. 1978
3. DeNicola, L.K. "Adolescent Medicine" Apothecary 90:27 May-June 1978
4. Purtillo, David T., J. Brawan, L.M. Hutt, L.K. DeNicola, I. Szymanski, J. Young, W. Boro, R. Maier, D. Lawson "Ebstein-Barr Virus Infections in X-linked Recessive Lymphoproliferative Syndrome". Lancet. April 15, 1978.
5. Editorial on Congenital and Perinatal Varicella Infections for Journal of Pediatrics with James B. Hanshaw submitted.

B. Research Grants - None

C. Professional Activities

1. Committees

- a. Ambulatory Care - internate
- b. Infection Control
- c. Disaster
- d. Resident Training
- e. State wide Poison Control
- f. Evaluation Subcommittee for Resources - clinical facilities

2. Teaching Responsibilities

12 hours of preceptorship per week in Group Practice - students  
2 hours didactic sessions per week - students and residents  
3 hours of chart review per week - students and residents  
15 hours Introduction to Patient Care  
Two attending rotations per year  
Presentations to residents, students, EMT's, nurses on Emergency Pediatrics  
Visiting lectures at St. Vincent's and Berkshire Medical Center  
Faculty advisor to a resident  
Two Pediatric Ground Rounds presentations

3. Other

Advisor to Sloan Commission on Government and Higher Education  
Nomination as alternate Chairman of Mass. Chapter American Academy of Pediatrics  
16 hours per week seeing Group Practice Patients






INTEROFFICE MEMORANDUM

DATE June 30, 1978

TO • Ms. Muriel Sawyer

FROM • J.G. Dobson, Jr. 

SUBJECT • Information for Dr. Bulger's Annual Report

ADDITIONS TO BIBLIOGRAPHY

Publications:

Dobson, J.G., Jr. Protein kinase regulation of cardiac phosphorylase activity and contractility. Amer. J. Physiol. 234: H638-H645, 1978.

Mayer, S.E., J.G. Dobson, Jr., W.R. Ingebrechtsen, Jr., E. Becker, J.H. Brown, W.F. Friedman and J. Ross, Jr. Ionic regulation of signal transfer from adrenergic receptors in cardiac muscle. In: Advances in Cyclic Nucleotide Research. Raven Press, 1978, Volume 9, pp. 305-314.

Abstracts:

Dobson, J.G., Jr. Reduction by adenosine of the catecholamine induced increase in myocardial cyclic AMP and glycogen phosphorylase activity. Fed. Proc. 37: 782, 1978 (abstract).

Dobson, J.G., Jr. The formation of cyclic GMP in the ischemic and anoxic mammalian myocardium. In: Advances in Cyclic Nucleotide Research. Raven Press, 1978, Volume 9, p. 763 (abstract).

Brown, D.F., T.W. Honeyman and J.G. Dobson, Jr. Epinephrine induced protein kinase activity in the intact working rat heart. In: Advances in Cyclic Nucleotide Research. Raven Press, 1978, Volume 9, p. 763 (abstract).

RESEARCH GRANTS

USPHS - NHL&BI, Research Grant  
Entitled: Regulation of cardiac contractility and metabolism.

PROFESSIONAL ACTIVITIES

Presented a paper at the annual meeting of the Federation of American Societies for Experimental Biology.

Participated in the first International Conference of "Adenosine and Adenine Nucleotides".



Presented and co-presented papers at the Third International Conference on Cyclic Nucleotide Research.

Participated in the Second Annual New England Meeting on Cyclic Nucleotides.

Periodically review manuscripts for the American Journal of Physiology, Circulation Research, and Journal of Cellular and Molecular Cardiology.



PUBLICATIONS:

Donovan, C.M.: "Use of Community Resources to Provide Services to Families," Early Intervention Project Final Report to B.E.H., Institute for the Study of Mental Retardation and Related Disabilities, University of Michigan, Ann Arbor, Michigan, November, 1976.

Donovan, C.M., Brown, S.L.: Volume III, Developmental Stimulation Activities for Infants and Young Children, University of Michigan Press, Ann Arbor, Michigan, in press.

Donovan, C.M.: "Early Intervention," The Practical Management of the Disabled Child, edited by Albert P. Scheiner, MD, and Israel F. Abroms, MD, C. V. Mosby Company, accepted for publication.

Donovan, C.M., Abroms, I.F.: "Early Intervention of the Developmentally Delayed Infant and Child, Neurodevelopmental Assessments," The Practical Management of the Disabled Child, edited by Albert P. Scheiner, MD, and Israel F. Abroms, MD, C. V. Mosby Company, accepted for publication.

Robb, R., Donovan, C.M.: "The Visually Impaired Child," The Practical Management of the Disabled Child, edited by Albert P. Scheiner, MD, and Israel F. Abroms, MD, C. V. Mosby Company, accepted for publication.

Rogers, S., D'Eugenio, D., Brown, S., Donovan, C.M., Lynch, E.: The Early Intervention Developmental Profile, Institute for the Study of Mental Retardation and Related Disabilities, University of Michigan Press, Ann Arbor, Michigan, 1975.

Donovan, C.M., Hanshaw, J.B., Singh, N.: "Neonatal Lead Intoxication in the Prenatally Exposed Infant," Journal of Pediatrics, accepted for publication.





UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 5, 1978

TO • Muriel Sawyer

FROM • <sup>sm</sup> Eva M. Niepokoyczycki/Neurology

SUBJECT •

The following are additions to the CV of Dr. David A. Drachman:

Bibliography (which you might not have updated):

Drachman DA, Hughes JR: Dizziness, epilepsy and the EEG. Dis Nerv Syst 38: 431-435, 1977

Drachman DA: Memory and cognitive function in man: Does the cholinergic system have a specific role? Neurology 27: 785-790, 1977.

Drachman DA: The central cholinergic system and memory, in Dimascio A et al (eds.): Psychopharmacology: A Generation of Progress. New York: Raven Press, pp 651-662, 1978.

Drachman DA: Memory, dementia, and the cholinergic system, in (eds.) Alzheimer's Disease, Senile Dementia and Related Disorders, New York: Raven Press, (in press).

Drachman DA: Book review - Neural Mechanisms of Learning and Memory Rosenzweig MR, Bennett EL (eds.). Cambridge: MIT Press, 1976, in Electroencephalogr Clin Neurophys, (in press).

Drachman DA: An Approach to the Neurology of Aging, in Birren J. (ed.): Handbook on Mental Health and Aging. Englewood Cliffs, New Jersey: Prentice-Hall, 1978 (in press).

Drachman DA: Scopolamine - Induced Dementia in (eds.) Alzheimer's Disease, Senile Dementia, and Related Disorders, New York: Raven Press, 1978 (in press).

Drachman DA: Dizziness and Disorders of Equilibrium. JAMA, 1979 (in press).

Drachman DA: Dizziness and Vertigo, in Beeson, et al (eds.): Textbook of Medicine (1st ed.). Philadelphia: W.B.Saunders, 1979 (in press).

Research Grants: Sterling Morton Trust Fund, Sterling Morton Research Foundation.

Professional Activities:

Commission member, Association for Research in Nervous Mental Diseases, December 2, 3, 1977 (New York, NY)

James Stephens Visiting Professor of Neurology, University of Colorado, Denver, May 15-18, 1978.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE August 1, 1978

TO • Muriel Sawyer

FROM • Joel Feinblatt *JF*

SUBJECT • Annual Report Information - 1978

1) Addition to Bibliography:

J.D. Feinblatt, P.G. Pletka and L.R. Tai "Thyroid glands, bone resorption and the Prostaglandins", Endocrinology 102 (Supplement) 317, 1978.

2) Current Research Grant

U. Mass. Biomedical Research Support Grant "Bone Resorption and the Thyroid Gland".

3) Professional Activities

a) Participated in panel discussion on "Leaves of Absences for Medical Students" at the Annual meeting of the Northeast Group on Student Affairs of the AAMC, Toronto, Canada, May 1978.

b) Organized a one day workshop at UMass on "Removing Barriers: The Handicapped Student in Higher Education" - April 1978  
Attended by 180 people and co-sponsored by:

University of Massachusetts Medical School  
Worcester Consortium of Higher Education  
Worcester Educational Opportunity Center  
Board of Regional Community Colleges  
Massachusetts College Personnel Association  
National Association of Student Personnel Administrators  
(see enclosed)

c) Attended Annual meeting of the AAMC, Washington, D.C. November 1977





Chancellor of the University  
of Massachusetts at Worcester

Dean of the Medical School  
55 Lake Avenue North  
Worcester, Massachusetts 01605

*The Commonwealth of Massachusetts*

*University of Massachusetts*

*Worcester 01605*

Telephone: (617) 856-2211

June 19, 1978

MEMORANDUM FOR: Medical School Full Time Faculty

SUBJECT: ANNUAL REPORT INFORMATION

For inclusion in Dr. Bulger's Annual Report, I would appreciate it if you would send the following information to me by Friday, July 28, 1978:

For the Period of July 1, 1977 to June 30, 1978

1. Additions to your bibliography - *none*
2. A list of your current research grants, - *none*  
including sponsor and title
3. Professional Activities *chief medical resident*

Many thanks.

*Muriel Sawyer*

Muriel Sawyer  
Special Assistant  
to the Chancellor

MS/mg



CURRICULUM VITAE

John J. Frey, M.D.

BORN: October 31, 1944 - Kansas City, Missouri

WIFE: Julianne Hron

CHILDREN: Benjamin Zachary, 1971

EDUCATION: 1966 - B.S. - University of Notre Dame  
1970 - M.D. - Northwestern University School of Medicine

INTERNSHIP: 1970 - 1971, Rotating, Cook County Hospital, Chicago, Illinois  
6 months Medicine, 6 months Pediatrics  
Intern representative to Executive Committee of the Residents  
and Interns Association of Cook County Hospital

Selected as outstanding teacher of clinical medicine by the  
Junior Class, University of Illinois Medical School, 1971

RESIDENCY: 1971 - 1973, Family Practice Residency, University of Miami  
Family Medicine Residency Program  
Member elected to Resident Steering Committee, Department of  
Family Medicine, 1971 - 1972

Member elected to Resident Selection Committee, Department of  
Family Medicine, 1972 - 1973

MILITARY STATUS: 4-W

LANGUAGES: Fluent Spanish

BOARD CERTIFICATION: 1974 - Diplomate, American Board of Family Practice  
1971 - Diplomate, National Board of Medical Examiners

MEDICAL LICENSURE: 1971 - Florida  
1973 - Massachusetts

PRESENT TEACHING APPOINTMENTS:

July, 1976 to Present, Associate Professor, Department of Family and Community Medicine,  
University of Massachusetts Medical School  
1975 to Present, Clinical Associate Professor, Department of Psychology, Clark University

PAST TEACHING APPOINTMENTS:

July, 1973 to July, 1976, Assistant Professor, Department of Family Practice, University  
of Massachusetts Medical School

PRESENT HOSPITAL APPOINTMENTS:

1973 to Present, Worcester City Hospital, Active Staff  
1973 to Present, Holden District Hospital, Courtesy Staff  
1974 to Present, Worcester Hahnemann Hospital, Courtesy Staff  
1975 to Present, Burbank Hospital, Courtesy Staff  
1977 to Present, St. Vincent's Hospital, Courtsey Staff





CURRICULUM VITAE

John J. Frey, M.D.

Page Two

PROFESSIONAL ORGANIZATIONS:

American Academy of Family Physicians  
Florida Academy of Family Physicians  
Massachusetts Academy of Family Physicians, Active Member  
Society of Teachers of Family Medicine  
Society of Health and Human Values  
Medical Committee for Human Rights  
The Institute of Society Ethics and The Life Sciences: The Hastings Center

LOCAL ORGANIZATIONS:

Massachusetts Heart Association  
Medical Advisory Committee, Massachusetts Rehabilitation Center  
Board of Directors, The Family Planning Foundation, Inc.  
Paxton Board of Health

WORK EXPERIENCE:

Acting Medical Director, Family Health & Social Service Center, October 1973 - October, 1975  
Acting Program Director, Family Practice Residency Program, University of Massachusetts  
Medical School, October, 1976 to present.

Medical organizer of free community controlled health center in Mexican neighborhood of Chicago, the Benito Juarez Peoples Health Center, Member Board of Directors, January, 1970 - June, 1971.

Four months elective time spent in Laredo, Texas and in the Rio Grande Valley doing general practice, general surgery, and public health, April - July, 1969.

Assisted implementation and design of day care screening project for health needs of inner city children, Chicago, Illinois, January - April, 1969.

Day care teacher, medical out-reach worker with United Migrant Services, Hancock, Wisconsin, Summer, 1967.

PROFESSIONAL ACTIVITIES:

Frey, J., Carmichael, L., Shore, W.,: Teaching Ambulatory Pediatrics in Family Health Care Programs: Workshop presented to Ambulatory Pediatric Association. 12th Annual Meeting, May 23, 1972

Participated in Workshop of the Fogarty International Center, "Academic Missions of Family Medicine in the 1980's", National Institute of Health, September, 1975.

Presentation of "Concept of Time in The Training of Family Physicians", New England Psychological Association, October, 1975, Worcester, Massachusetts.

Participant in Advanced Workshop, "Training of Ph.D. Clinical Psychology Students", American Psychological Association Annual Meeting, September, 1976, Washington, D.C.

Seminar Leader, "Teaching and Consulting Interactions of the Interdisciplinary Health Care Team", Society of Teachers of Family Medicine, Annual Meeting, May, 1977, Atlanta, Georgia.



CURRICULUM VITAE

John J. Frey, M.D.

Page Three

PROFESSIONAL ACTIVITIES(con't):

Presented paper, "Modified Psychotherapy for the Family Physician", to the Annual Meeting of the Massachusetts Academy of Family Physicians, April, 1978

Seminar Leader, "Resident Participation in Residency Programs", Spring Meeting of the Society of Teachers of Family Medicine, May, 1978, San Diego, California.

Appointed a member of the Program Committee for the Society of Teachers of Family Medicine for 1978-79.



CURRICULUM VITAE

John J. Frey, M.D.

BIBLIOGRAPHY:

1. Frey, John J.; Gilson, George; McDermott, Joan; Meyer, Roger J.: Raising the Level of Child Health in Day Care. Child Welfare, Vol L., No. 2, Feb., 1971
2. Frey, John J., Rootabaga Country, Editor and contributor, Literary Journal of Northwestern University School of Medicine.
3. Frey, John J., Cauther, B.V., Letter, "Family Medicine Graduates--Emergence of a New Physician", Journal of Medical Education, 48: 1040-1, November, 1973.
4. Frey, John J., Engebretsen, Bery, J., Olson, J. W., Carmichael, L.P., "Resident Participation in Residency Programs", Journal of Medical Education, Vol. 50, No. 8, August, 1975, pages 765-772.
5. Frey, John J., "The Family Coctor as Cecidomyian Gall Midge", Journal of Family Practice, Vol. 6, No. 6, June, 1978, pages 1307-1308.





## CURRICULUM VITAE

Hugh S. Fulmer, M.D.

BORN: June 18, 1928, Syracuse, New York

WIFE: Zola Jones

CHILDREN: James (Born 1953); Kim (Born 1955); Scott (Born 1961)

EDUCATION: 1948 - A.B. - Syracuse University  
1951 - M.D. - State University of New York at Syracuse  
1961 - M.P.H. - Harvard School of Public Health

INTERNSHIP: 1951-1952, Rotating, Rhode Island Hospital

RESIDENCY: 1954-1955, Assistant Resident, Internal Medicine  
1955-1956, Resident, Internal Medicine  
1956-1957, Instructor, Internal Medicine  
State University of New York  
Upstate Medical Center

MILITARY EXPERIENCE: 1952-1954, General Medical Officer and Flight Surgeon  
United States Air Force, Presque Isle, Maine

BOARD CERTIFICATION: 1959 - American Board of Internal Medicine; Diplomate  
1964 - American Board of Preventive Medicine; Diplomate  
1978 - Recertified, American Board of Internal Medicine

MEDICAL LICENSURE: 1970 - Massachusetts  
Kentucky  
New York

### PRESENT APPOINTMENT

1977 - Associate Dean, Clinical Education and Primary Care, University of  
Massachusetts Medical Center, Worcester, Massachusetts

### PAST TEACHING APPOINTMENTS

1958 - 1960, Assistant Project Director, Navajo-Cornell Field Health Research  
Project, Many Farms, Arizona; Research Associate, Department of  
Public Health, Cornell University Medical College

1960 - 1962, Assistant Professor, Department of Community Medicine, University of  
Kentucky College of Medicine, Lexington, Kentucky

1962 - 1966, Associate Professor, Department of Community Medicine, University of  
Kentucky College of Medicine, Lexington, Kentucky

1964 - 1968, Director, Kentucky International Cross-Cultural Community Medicine  
Clerkship Program

1966 - 1968, Professor, Department of Community Medicine, University of Kentucky  
College of Medicine, Lexington, Kentucky



#### PAST TEACHING APPOINTMENT (cont.)

1966 - 1968, Director, Residency Program in Community Medicine, University of Kentucky College of Medicine, Lexington, Kentucky

1968 - 1969, Program Technical Representative in Health, Peace Corps, Malaysia

1969 - 1977, Professor and Chairman, Department of Community and Family Medicine, University of Massachusetts Medical School, Worcester, Massachusetts

#### PRESENT HOSPITAL APPOINTMENTS

1970 - present, Worcester City Hospital, Medical Staff

1975 - present, University Hospital, UMMC, Medical Staff

#### PAST HOSPITAL APPOINTMENTS

1961 - 1966, Assistant Attending Physician in Medicine, University Hospital, Lexington, Kentucky

1966 - 1968, Associate Attending Physician in Medicine, University Hospital, Lexington, Kentucky

#### PROFESSIONAL ORGANIZATIONS

American Association for the Advancement of Science

American Medical Association

American Public Health Association

Massachusetts Medical Society

Massachusetts Public Health Association

Massachusetts Society of Internal Medicine

New York Academy of Sciences

Worcester District Medical Society

Society of Teachers of Family Medicine

Association of Teachers of Preventive Medicine

#### NATIONAL ORGANIZATION APPOINTMENTS

American Board of Preventive Medicine: Oral Examiner

Association of Teachers of Preventive Medicine: Executive Committee; President 1975-76

American Public Health Association: Task Force on Prevention, 1977

American College of Preventive Medicine: Committee on Nominations, 1977

American Institute of Community Health: Vice President

#### STATE AND REGIONAL ORGANIZATIONS

American Medical Association: New England Rural Health Council

Easter Seal Society: Chairman, Professional Advisory Committee

Harvard Public Health Alumni Association: Assoc. Harvard Alumni Board of Directors

Massachusetts Health Research Institute, Inc.: Board of Directors, 1977

University of Massachusetts Medical School and Hospital Committees:

Chairman, Graduate Medical Education Subcommittee of Educational Policy Committee

Member, Educational Policy Committee

Member, Clinical Curriculum Committee



## STATE AND REGIONAL ORGANIZATIONS (cont.)

### University of Massachusetts Medical School and Hospital Committees (cont.)

- Member, Hospital Executive Committee
- Member, Ambulatory Care Executive Committee
- Member, Advisory Committee Post-Graduate Education
- Coordinator, Introduction to Patient Care Course

## LOCAL ORGANIZATIONS

- Central Massachusetts Lung Association: Board of Directors
- Central Massachusetts Chapter Red Cross Blood Bank: Board of Directors
- Worcester District Medical Society: Councillor to Massachusetts Medical Society
- Visiting Nurse Association of Worcester: Board of Managers, Goals Committee
- Worcester District Medical Society: Board of Directors

## HONORARY ORGANIZATIONS

Alpha Omega Alpha, Delta Omega, Phi Beta Kappa

### Grants & Awards

"Residency Training in General Internal Medicine & Pediatrics" Bureau Health Manpower, DHEW, October 1977, \$550,000 (Principal Investigator)

"Special Projects Grant for Undergraduate Training in Primary Care", \$59,000 (Principal Investigator)

"Rural Primary Care Teaching Practice", Health Underserved Rural Areas, DHEW, September 1977, \$362,000 (program responsibility)

"Innovations in Ambulatory Care", Hospital Research and Educational Trust, October 1976, \$150,000 (program responsibility)



## BIBLIOGRAPHY

1. Fulmer, H., Dube, A., and Lloyd, C.: "Clinical Experiences with Orinase", Metabolism, 5:940-946, Nov., 1956.
2. Deuschle, K., Adair, J., and Fulmer, H.: "The Navajo-Cornell Field Health Research Project at Many Farms", The Navajo Yearbook, Navajo Agency, Window Rock, Arizona, 1958, Report No. VII.
3. McDermott, W., Deuschle, K., Adair, J., Fulmer, H., and Loughlin, B.: "Introducing Modern Medicine in a Navajo Community", Science, 131:197-205, 280-287, 1960.
4. Loughlin, B., Mansell, E., Dennison, K., and Fulmer, H.: "A Syllabus for Teachers in Navajo Health", Navajo Tribal Council, Window Rock, Arizona, 1960.
5. Deuschle, K., and Fulmer, H.: "Community Medicine: A 'New' Department at the University of Kentucky", J. Med. Educ., 37:434-445, May, 1962.
6. Fulmer, H., Adams A., and Deuschle, K.: "Medical Student Training in International Cross-Cultural Medicine", J. Med. Educ., 39:920-931.
7. Fulmer, H., and Roberts, R.: "Coronary Heart Disease Among the Navajo Indians", Ann. Inter. Med., 59:740-764, Nov., 1963.
8. French, J., and Fulmer, H.: "A Comparison of the Tuberculin Tine Test with the Intermediate PPD (Mantoux) Test in Selected Segments of the Kentucky Population", Am. Rev. Resp. Dis., 88:802-809, Dec., 1963.
9. Fulmer, H.: "Teaching Community Medicine in Kentucky", Harvard Public Health Alumni Bulletin, Vol. 21, No. 2, July, 1964.
10. Fulmer, H., and Huempfer, H.: "Intestinal Helminths in Eastern Kentucky", Amer. J. Trop. Med. and Hyg., 14:269-276, March, 1965.
11. Deuschle, K., Fulmer, H., McNamara, M., and Tapp, J.: "The Kentucky Experiment in Community Medicine", The Milbank Memorial Fund Quarterly, Vol. XLIV, No. 1, Jan., 1966.
12. Tapp, J., Fulmer, H., and Deuschle, K.: "Medical Students in Appalachia: A Training Program in Community Medicine", Human Organization, Vol. 25, No. 3, Fall, 1966.
13. Moss, Kelly, Fulmer, H., and Deuschle, K.: "Present Status of Typhoid Carriers in Kentucky", Arch. Environ. Health, Vol. 14: 407-411, March, 1967.
14. Fulmer, H.: "Community Medicine Program in Kentucky", Illinois Medical Journal, Dec., 1967.





Bibliography (continued)

15. Fulmer, H.: "Community Medicine in Kentucky", Canadian Med. Assoc. J. vol. 97, pp 725-730, Sept. 1967
16. Huempfer, H., Fulmer, H., and Deuschle, K.: "Patterns of Mycobacterial Isolations from a Hospital Population in Kentucky", Am. Rev. Resp. Dis., 97:263, April, 1968.
17. Fleming, T., Fleming, S., and Fulmer, H.: "Community Medicine in Argentina", J. Ky. Med. Assoc., Vol. 66, No. 5, May, 1969, pp. 465-468.
18. Kane, R. and Fulmer, H.: "Residency Training in Community Medicine", Arch. Env. Health, 18:844-847, May, 1969.
19. Fulmer, H.: "Plans For the Teaching of Community Medicine - University of Massachusetts Medical School", Worcester Medical News, Vol. XXXIV, No. 8, April, 1970, pp. 8-12.
20. Nighbert, E., Fulmer, H., Dorton, H., and Griffin W.: "Serum Cholesterol and Triglyceride Levels in Humans After Vagotomy", presented 56th Clinical Congress of the American College of Surgeons, October, 1970.
21. Fulmer, H.S., An Approach to the Teaching of Epidemiology: The Challenges of Community Medicine, Robert L. Kane Editor; Springer Publishing Co. 1974, pp. 335-349.
22. Fulmer, H.S., Presidential Message; Association of Teachers of Preventive Medicine, Newsletter, Vol. 23, Spring 1976.
23. Fulmer, H.S., Commentary: A Primary Care Registry, American Journal of Community Health, Spring 1976



ANNUAL REPORT MATERIAL

*To: M. K. Wolf*  
Susan B. Gagliardi  
Associate Professor of Anatomy  
7/1/77 to 6/30/78

RECEIVED  
JUN 29 1978

Chancellor and  
Dean's Office

PUBLICATIONS

Papers:

Billings-Gagliardi, S., S. M. Pockwinse, and G. B. Schneider. 1978.  
Morphological changes in isolated lymphocytes during preparation for  
SEM: Freeze drying versus critical-point drying. Am. J. Anat. 152:  
383-390.

Schneider, G. B., S. M. Pockwinse, and S. Billings-Gagliardi. 1978.  
Morphological changes in isolated lymphocytes during preparation for  
SEM: A comparative TEM/SEM study of freeze drying and critical-point  
drying. IN: "Scanning Electron Microscopy /1978." pp. 77-84.

Billings-Gagliardi, S., S. M. Pockwinse, and G. B. Schneider. Surface  
coats on human lymphocytes: Freeze drying and cationic staining. Am.  
J. Anat. (submitted).

Abstract:

Billings-Gagliardi, S. 1978. Morphological changes in isolated  
lymphocytes during preparation for SEM. Anat. Rec. 190: 340.

SEMINARS AND PAPERS PRESENTED

"Preparation for Cells for SEM." Department of Neuropathology, Harvard  
Medical School, December, 1977.

"Preparation of Lymphocytes for SEM: Freeze Drying Versus Critical-point  
Drying."

Workshop with G. B. Schneider and S. M. Pockwinse. Department of Anatomy,  
U. Mass. Medical School, December, 1977.

"Morphology of Lymphocytes Prepared by Critical-point and Freeze Drying."  
Presentation at Scanning Electron Microscopy Meeting, Los Angeles, CA,  
April, 1978.

GRANT SUPPORT

Development of CNS: In Vitro and Mutant Studies Co-principal Investiga-  
tion with M. K. Wolf 2 R01-NS 11425-04A1, \$136,115.00. (3 year support).

Correlated Nomarski, SEM, TEM Study of Nerve Fiber Development BSRG.



INTEROFFICE MEMORANDUM

DATE July 28, 1978

• Muriel Sawyer, Special Assistant to the Chancellor

FROM • Sterling D. Garrard, M.D., Department of Family and Community Medicine and Pediatrics

SUBJECT • Annual report information concerning activities for FY 78

1. Bibliographic additions: (I may have reported the following chapters last year, but, in fact, the publication of the volume did not occur until March 1978).

Garrard, S.D., and Richmond, J.B: Biomedical diagnosis in mental retardation. Chapter 1 in Medical Aspects of Mental Retardation. Second Edition. Carter, CH., Ed.; Charles C Thomas, Publisher, Springfield, Illinois, 1978.

Garrard, S.D., and Richmond, J.B: Mental retardation without biomedical manifestations. Chapter 2 in Medical Aspects of Mental Retardation. Second Edition. Carter, CH, Editor; Charles C Thomas, Publisher, Springfield, Illinois, 1978.

2. Grants

Principal investigator of:

Health Services Contract: Belchertown State School, Department of Mental Health

Health Services Contract: Monson State Hospital, Department of Mental Health

3. Professional Activities

a. Publications Committee (member), American Association of Mental Deficiency

b. Medicine Section, Chairperson, Region X, American Association on Mental Deficiency

c. Associate Editor, Worcester Medical News

d. Massachusetts Developmental Disabilities Council, member, (gubernatorial appointment), chairperson of its State Plan Committee, member of its Steering Committee





- e. Co-Chairperson with Alberto DiMascio, Ph.D., of Task Force on the Use of Psychotropic Drugs appointed by Commissioner Robert Okin, Department of Mental Health
- f. Advisory Board, Community Residences, Inc., Worcester, Mass. (non-profit corporation operating community residences for the mentally retarded).
- g. Documents prepared for the Department of Mental Health:
  - 1) Guidelines for the Prescription of Major Psychopharmacologic Agents in Department of Mental Health Facilities for Persons with Mental Retardation. Working Draft. (31 pages). January, 1978.
  - 2) Plan for the Health Care of Deinstitutionalized Mentally Retarded Persons in Department of Mental Health Region I. (58 pages). January 1978.
  - 3) The Hepatitis B Virus (19 pages), document prepared as background information for Judge Joseph Tauro, U. S. District Court, Boston, which was submitted by the Department of Mental Health with additional data concerning hepatitis B surface antigen carriers at Belchertown State School. April 1978.
  - 4) Policies of the Department of Mental Health Concerning the Hepatitis B Virus Carrier State in Clients with Mental Retardation. Working Draft. (47 pages). June 1978.
- h. Invited lectures
  - 1) Medical Services with the Mentally Handicapped. Graduate School of Education, Lesley College, July 12, 1977
  - 2) Interdisciplinary processes in services for the mentally retarded, University Affiliated Program, Eunice Kennedy Shriver Center for Mental Retardation (Massachusetts General Hospital), Waltham, Mass. November 17, 1977

SDG:bts

cc: R. Catlin, M.D.



ROBERT M. GIASI

HOME ADDRESS: 50 Woodland Road  
Holden, MA 01520

OFFICE ADDRESS: University of Massachusetts  
Medical Center  
55 Lake Avenue North  
Worcester, MA 01605

PHONE: (617) 829-3374

PHONE: (617) 856-3343; 856-3271

LICENSE: Massachusetts #35021  
New York #106832

PRESENT POSITIONS:

Assistant Professor of Anaesthesia  
University of Massachusetts Medical Center

Clinical Coordinator for Anaesthesia Services  
University of Massachusetts Medical Center

Affiliate Assistant, Professor of Biomedical  
Engineering  
Worcester Polytechnical Institute  
Worcester, Massachusetts

PREVIOUS POSITIONS:

Director of Intensive Care Unit  
Staff Anesthesiologist  
Naval Regional Medical Center  
Portsmouth, Virginia  
June 1974 - January 1977

Fellowship --

Intensive Care Unit  
Naval Regional Medical Center  
Portsmouth, Virginia  
April 1974 - June 1974

Fellowship --

Cardiac Anesthesiology  
Massachusetts General Hospital  
Boston, Massachusetts  
December 1973 - April 1974

Residency --

Department of Anesthesiology  
Naval Hospital  
Boston, Massachusetts  
November 1971 - November 1973

Squadron Medical Officer  
Destroyer Squadron 29, Deployed in waters  
off the coast of the Republic of South Vietnam  
December 1970 - November 1971

ROBERT M. GIASI

Residency --                   Obstetrics/Gynecology  
                                Naval Hospital  
                                Great Lakes, Illinois  
                                July 1970 - December 1970

Internship --                   Great Lakes Naval Hospital  
                                Great Lakes, Illinois  
                                July 1969 - June 1970

MISCELLANEOUS PROFESSIONAL ACTIVITIES

Physician's Recognition Award of A.M.A.

Invited Lectureship:

- Pulmonary Physiology  
Sixth Annual Anesthesiology Symposium  
Sponsored by Naval Regional Medical  
Center  
Portsmouth, Virginia

Special Local Responsibilities:

- Faculty Council
- Operating Committee and Subcommittee  
on Ambulatory Surgery
- Subcommittee Study for Graduate  
Medical Education
- Infectious Disease Committee
- Transfusion Committee

Memberships:

- Massachusetts Society of Anesthesiologists
- American Society of Anesthesiologists
- American Society of Critical Care  
Medicine

To: Muriel  
From: Peter Grigg, Ph.D.

1. Additions to bibliography:

- a. Grigg, P., Harrigan, E.P., and Fogarty, K.E.  
Segmental reflexes mediated by joint afferent neurons  
in cat knee. J. Neurophysiology, 41, 9-~~14~~14, 1978.
- b. Responses of joint afferent neurons to loadings of  
isolated joint capsule. Proc. 6th New England Bioengineering  
~~Soc~~ Society, 278-281, 1978.

2. Research Grants:

Title: Segmental reflexes mediated by joint afferent neurons  
Amount: this year \$37,255  
Sponsor: NIH (NINCDS) Grant # 5R01 NS10783-06

Department  
Medical

Committee

Respiratory  
Physiology  
and  
Larynx

UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 14, 1978

TO • Muriel Sawyer, Special Assistant to Chancellor

FROM • Derek Goodman, M.D., Radiology Department


SUBJECT • ANNUAL REPORT INFORMATION

Professional activities:

Full-time diagnostic radiologist.

Also, teaching radiology to medical students and providing radiology interpretations at clinical conferences.

Also, a member of the faculty council and sub-committee on Graduate Education.

  
Derek J. Goodman, M.D.  
Assistant Professor  
Radiology Department

DG/bf





UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 21, 1978

TO • Muriel Sawyer

FROM • Ian D. K. Halkerston, Ph.D. - Department of Biochemistry

SUBJECT • Annual Report Information

1. Additions to Bibliography

a) None

2. Current Research Grants

a) None

3. Professional Activities

a) Editor for PreTest Self-assessment and Review (Biochemistry)  
for PreTest Service, Inc.

IDKH

mtp

Ian D K Halkerston



INTEROFFICE MEMORANDUM

DATE July 3, 1978

TO • Muriel Sawyer, Special Assistant to the Chancellor

FROM • James B. Hanshaw, M.D., Professor and Chairman, Department of Pediatrics

SUBJECT • Annual Report Information

JBSH

1. Addition to bibliography for the period of July 1, 1977 to June 30, 1978:

Hanshaw, J.B.: Prevention of cytomegalovirus following renal transplantation. American Journal of Diseases of Children, 131, 841-842, 1977.

Hanshaw, J.B.: "Cytomegalovirus infections," in Gellis, S., and Kagan, B. (eds.): Current Pediatric Therapy, Philadelphia: W.B. Saunders Company, 1977.

Hanshaw, J.B.: "Cytomegalovirus infections," in Nelson's Textbook of Pediatrics, Vaugh, V., McKay, R.J., and Behrman, R.E. (eds.), Philadelphia: W.B. Saunders Company, 1978.

Hanshaw, J.B., Dudgeon, J.A.: Viral Infections of the Fetus and Newborn, Major Problems in Pediatrics Series. W.B. Saunders Company, Philadelphia, 1978.

Hanshaw, J.B.: Congenital Cytomegalovirus Infection. Hospital Practice. in press.

Hanshaw, J.B.: Measles (Rubeola) in Current Therapy. H.F. Conn (ed.), W.B. Saunders Company, Philadelphia, 1978.

2. Current research grants, including sponsors and title:

BRSG: Transmission of cytomegalovirus in an intensive care nursery.

PHS: Grant for Pediatric Residency Training.



July 1978

-2-

RE: Annual Report Information

3. Professional activities:

Extra-mural:

- 1) Advisory Board - Massachusetts Poison Control System
- 2) Advisory Board - Hood Foundation
- 3) Editorial Board - American Journal Disease of Children
- 4) Chief of Pediatrics - St. Vincent Hospital
- 5) Research Committee - American Academy of Pediatrics
- 6) Co-author text: Hanshaw & Dudgeon: Viral Infections  
of the Fetus and Newborn.
- 7) Member - Association Pediatric Departmental Chairmen  
American Pediatric Society  
Society for Pediatric Research  
American Academy of Pediatrics  
Infectious Diseases Society of America  
Visiting Committee to evaluate Department  
of Pediatrics, Tufts University

JBH: jp





Papers

1. Harris, A.R.C., and J.M.Jackson, Lactulose in vincristine induced constipation, Med J Aust 2:523-574, 1977.
2. Harris, A.R.C., D. Christianson, M.S.Smith, L.E.Braverman and A.G.Vagenakis, The physiological role of thyrotropin-releasing hormone in the regulation of thyroid stimulating hormone and prolactin secretion in the rat, J Clin Invest, 61:441-448, 1978.
3. Harris, A.R.C., M.S.Smith, S.Alex, H.A.Salhanic, A.G.Vagenakis and L.E.Braverman, Pyridoxine (B<sub>6</sub>) induced inhibition of prolactin release in the female rat, Endocrinology 102:362-366, 1978.
4. Harris, A.R.C., S.Fang, F.Azizi, L.Lipworth, A.G.Vagenakis, and L.E.Braverman, Effect of starvation on hypothalamic-pituitary-thyroid function in the rat, Metabolism, 27: Sept, 1978.
5. Roti, E., D.Christianson, A.R.C.Harris, L.E.Braverman, and A.G.Vagenakis, "Short"loop feedback regulation of hypothalamic and brain thyrotropin releasing content in the rat and dwarf mouse, Endocrinology 103: Nov, 1978.

Abstracts

1. Harris, A., S.Fang, L.Braverman and A.Vagenakis, Effect of carbohydrate (CHO), protein (P), and fat (F) infusion on hepatic T<sub>3</sub> generation in the fasted rat, 53rd Meeting, The American Thyroid Association, Cleveland, 1977. #T-13.
2. Harris, A. S.Fang, J.Prosky, L.Braverman and A.Vagenakis, Decreased deiodination of T<sub>4</sub> and reverse-T<sub>3</sub> (rT<sub>3</sub>) by the fetal and neonatal rat, Clin Res 26, #306A, 1978.
3. Harris, A., S.Fang, L.Braverman and A.G.Vagenakis, Role of sulfhydryl



Abstracts cont.

groups (SH) on the impaired hepatic  $T_3$  generation from  $T_4$  in the hypothyroid, starved, fetal and neonatal rodent, Clin Res 26, #491A, 1978.

4. Harris, A., S.Fang, L.Braverman and A.G.Vagenakis, Sex differences in in vitro hepatic  $T_3$  generation from  $T_4$  in the rat.

The Endocrine Society 60th Annual Meeting, Miami, 1978, #329.

RESEARCH GRANTS Nil.

PROFESSIONAL ACTIVITIES Instructor in Medicine.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 10, 1978

TO • Muriel Sawyer

FROM • Chuck Hays *CWH*

SUBJECT • Annual Report Information

1. Bibliography additions:

- a. "Onchocerciasis Clearance in West Africa with Special Reference to Upper Volta", Berry, E., Hays, C. and Scott, E., A Case Study Prepared for Workshops in Environmental Investigation, Clark University.
- b. "Recommendations on Procedures for Environmental Assessment of Malaria Control Programs, with Special Reference to Pakistan", Hays, C., Berry, L., and Ford, R., A Report Submitted to Asia Bureau, U.S. Agency for Internal Development, Washington, D.C.

2. Current Research Grant: None

3. Professional Activities:

- a. Medical School's Representative to Board of Directors of Central Massachusetts Health Systems Agency.
- b. Member, Utilization Review Committee of Holden Nursing Home.
- c. Reviewer-Social Science and Medicine (journal).
- d. Public Health Consultant-Clark University's Program in International Development and to Project for the Analyses of Environmental Issues and Trends in Eastern and Southern Africa.

CWH/ras



John Herrmann

1. Additions to my bibliography:

None

2. A list of current research grants, including sponsor and title:

Wound Healing Research  
Spin. Davis & Gech

3. Professional Activities:

Chief of Surgery, Worcester City Hospital  
Chief of Vascular Surgery, Worcester City Hospital  
Multiple Committees  
Director, Surgical Clerkship, UMMS





DEAN'S ANNUAL REPORT

July 1, 1977--June 30, 1978

Roger B. Hickler, M.D.

University Professor

University of Massachusetts Medical School

Publications

Hickler, R.B. Pharmacotherapy of Hypertension Based on Physiological Principles. Proc. New Eng. Cardiovasc. Soc. June, 1978.

Dalen, J.E., and Hickler, R.B. Cardiovascular Complications of Oral Contraceptive Drugs. Practical Cardiology. In press.

Hickler, R.B. Syncope. Primary Cardiology. In press.

Professional Activities

Lamar Soutter Distinguished Professor of Medicine, University Professor  
Director, Unit for the Study of Aging, UMMC  
Editorial Board of journal, "Primary Cardiology"  
Hypertension Visiting Faculty Program, SK&F Laboratories  
Gerontology Society  
American Geriatric Society



CURRICULUM VITAE

JOHN PRENTICE HOWE, III, M.D.

HOME ADDRESS: 120 Twinbrooke Drive  
Holden, Massachusetts 01520

BUSINESS ADDRESS: University of Massachusetts Medical Center  
55 Lake Avenue North  
Worcester, Massachusetts 01605  
Telephone: (617) 856-2107

DATE OF BIRTH: March 7, 1943  
Jackson, Tennessee

EDUCATION: B.A. Amherst College (Biology) 1965  
M.D. Boston University 1969

HOSPITAL APPOINTMENTS:

1969 - 1970	Intern (Medicine) Boston City Hospital
1970 - 1971	Assistant Resident (Medicine) Boston City Hospital
1971 - 1973	Research Fellow in Medicine Peter Bent Brigham Hospital
1973 - 1974	Director, Critical Care Units Tripler Army Medical Center
1974 - 1975	Chief, Medical Specialty Units Tripler Army Medical Center
1975 - 1978	Associate Chief, Division of Medicine University of Massachusetts Hospital
1978 -	Chief of Staff University of Massachusetts Hospital

CONSULTANT APPOINTMENTS (CARDIOLOGY):

1971 - 1973	Boston City Hospital
1972 - 1973	Massachusetts Rehabilitation Hospital
1973 - 1975	Queens Medical Center, Honolulu
1975 -	The St. Vincent Hospital, Worcester



CONSULTANT APPOINTMENTS (continued)

1975 -	The Memorial Hospital, Worcester
1976 -	Holden District Hospital, Holden
1977 -	Burbank Hospital, Fitchburg
1978 -	North Quabbin Health Plan, HMO, Athol

ACADEMIC APPOINTMENTS:

1963 - 1964	Research Associate (Cellular Physiology) Department of Biology Amherst College
1966 - 1967	Research Associate (Cardiovascular Physiology) Department of Physiology Boston University School of Medicine
1971	Survey Physician Framingham Cardiovascular Disease Study National Heart and Lung Institute
1971 - 1973	Research Fellow in Medicine Harvard Medical School
1972 - 1973	Lecturer in Medicine (Cardiology) Boston University School of Medicine
1973 - 1975	Assistant Clinical Professor of Medicine University of Hawaii School of Medicine
1975 - 1977	Assistant Professor Department of Medicine University of Massachusetts Medical School
1975 - 1978	Vice Chairman Department of Medicine University of Massachusetts Medical School
1976 - 1978	Assistant Dean Continuing Education for Physicians University of Massachusetts Medical School
1977 -	Associate Professor Department of Medicine University of Massachusetts Medical School
1978 -	Associate Dean for Professional Affairs University of Massachusetts Medical School





OTHER EXTRAMURAL ACTIVITIES:

1976 -	Board of Directors Postgraduate Medical Institute, Boston
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HONORS:

1962 - 1965	Alfred P. Sloan Scholar Amherst College
1969	Ruth Hunter Johnson Award, Honors Thesis Boston University School of Medicine
1975	Army Commendation Medal

MILITARY SERVICE:

1973 - 1975	Major U.S. Army Medical Corps
1974	Acting White House Physician

CERTIFICATION AND LICENSURE:

1970	National Board of Medical Examiners Commonwealth of Massachusetts
1975	Diplomate, American Board of Internal Medicine, State of California State of Hawaii
1977	Diplomate, Subspecialty of Cardiovascular Diseases



## PUBLICATIONS

1. Howe, J.P., Cohn, L.H., Dalen, J.E. and Collins, J.J.: Emergency Aortic Valve Replacement for Critical Aortic Stenosis, *Circulation*, 47:155 (Suppl), 1973.
2. Rickman, F.D., Handin, R., Howe, J.P., Alpert, J.S., Dexter, L. and Dalen, J.: Fibrin Split Products in Acute Pulmonary Embolism, *Annals of Internal Medicine*, 79:664-668, 1973.
3. Alpert, J.S., Rickman, F.D., Howe, J.P., Dexter, L. and Dalen, J.E.: Alteration of Systolic Time Intervals in Right Ventricular Failure, *Circulation*, 50:317-323, 1974.
4. Howe, J.P., Alpert, J.S., Rickman, F.R., Spackman, D., Dexter, L. and Dalen, J.E.: Return of Arterial PO<sub>2</sub> Values to Baseline after Supplemental Oxygen in Patients with Cardiac Disease, *Chest*, 67(3); 256-258, 1975.
5. Dalen, J.E., Haffajee, C.I., Alpert, J.S., Howe, J.P., Ockene, I.S. and Paraskos, J.: Pulmonary Embolism, Pulmonary Hemorrhage and Pulmonary Infarction, *New England J. Med.*, 296:1431-1435, 1977.
6. VanderSalm, T.J., Howe, J.P. and Dalen, J.E.: Hyperpyrexia Complicating Low Fixed Cardiac Output, *Chest*, 71(1):107-110, 1977.
7. Dalen, J.E. and Howe, J.P.: Dissecting Aneurysms, In *Cardiac Emergencies*, D.T. Mason (Ed.), Baltimore: Williams and Wilkins, 1977.
8. Howe, J.P., Membrino, G.E. and Dalen, J.E.: Integrating Basic Life Support in a Medical School Curriculum, *Proceedings of the Emergency Cardiac Care Workshop*, Boston, 1978.
9. Howe, J.P., Membrino, G.E. and Dalen, J.E.: Teaching Cardiac Procedures, *Proceedings of the Association for Program Directors in Internal Medicine*, Boston, 1978.
10. Hickler, R.B. and Howe, J.P.: Syncope, In *MacBride's Signs and Symptoms*, (6th Ed.), R.S. Blacklow (Ed.), Baltimore: Williams and Wilkins. (In Press)
11. Howe, J.P.: Defibrillation and Emergency Cardioversion, In *Atlas of Bedside Procedures*, T.J. VanderSalm, H.B. Wheeler and B. Cutler (Eds.), Boston: Little, Brown and Co. (In Press)
12. Dalen, J.E., Howe, J.P. and Stark, R.B.: The Scope of Cardiovascular Problems in the Commonwealth of Massachusetts, In *Major Health Problems in Massachusetts*, E. Kovar (Ed.), Boston: Massachusetts Public Health Association. (In Press)
13. Howe, J.P., Membrino, G.E. and Dalen, J.E.: Basic Life Support in a Medical School Curriculum, *J. Med. Ed.* (In Press)
14. Howe, J.P., Membrino, G.E. and Dalen, J.E.: Assessing Competence in Clinical Procedures: Whose Responsibility?, *J. Med. Ed.* (In Press)



JOHN P. HOWE, III, M.D.

PROFESSIONAL ACTIVITIES (July 1, 1977 - June 30, 1978)

A. Intramural Activities

1. Designated Academic Activities

Program Director, Medical Residency Program

Course Director, Physical Diagnosis Course

2. Medical Center Activities

Chairman, Medical Care Standards and Review

Chairman, Continuing Medical Education Subcommittee

Member, Ad Hoc Committee on Faculty Titles

Educational Policy Committee

Graduate Education Subcommittee

Grievance Committee

Group Practice Advisory Board

Group Practice Executive Committee

Hospital Executive Committee

Hospital Management Committee

Intensive Care Unit Committee

Medical Records Committee

Second Year Promotions Committee

3. Grants

- a. Title: "Proposal for the Development and Implementation of a State Wide Hypertension Education and Training Program" with Drs. Helen Cleary and George Membrino

Funding Source: Department of Public Health

Amount: \$52,000

- b. Title: "Introduction to Clinical Medicine" with Drs. John McCahan (Boston University School of Medicine) and Norman Grace (Tufts University School of Medicine)

Funding Source: Grants for Education of Returning United States Students from Foreign Medical Schools - Bureau of Health Manpower.

Amount: \$69,250



4. Additions to Bibliography

- a. Dalen, J.E. and Howe, J.: Dissecting Aneurysms, In Cardiac Emergencies, D.T. Mason (Ed.), Baltimore: Williams and Wilkins, 1977.
- b. Howe, J.P., Membrino, G.E. and Dalen, J.E.: Integrating Basic Life Support in a Medical School Curriculum, Proceedings of the Emergency Cardiac Care Workshop, Boston, 1978.
- c. Howe, J.P., Membrino, G.E. and Dalen, J.E.: Teaching Cardiac Procedures, Proceedings of the Association for Program Directors in Internal Medicine, Boston, 1978.

B. Extramural Activities

1. Central Massachusetts

- a. Central Massachusetts Health Care Foundation  
Board of Trustees  
Member, Health Program Committee
- b. Central Massachusetts PSRO  
Physician Advisor  
Member, Medical Care Evaluation Committee
- c. Worcester District Medical Society  
Member, Program Committee
- d. Medical Staff Appointments  
Burbank Hospital, Fitchburg  
Holden District Hospital, Holden  
The Memorial Hospital, Worcester  
North Quabbin Health Plan, Athol  
St. Vincent Hospital, Worcester

2. State Wide

- a. Commonwealth Health Agencies Monitoring Program  
Physician Advisor
- b. Department of Public Welfare  
Member, Committee on Peripheral Vasodilators





- c. University of Massachusetts  
Member, Subcommittee on Continuing and Off-Campus Education
- d. Postgraduate Medical Institute  
Board of Directors
- e. American Heart Association, Massachusetts Affiliate  
Member, Hypertension Committee

3. National  
Association of American Medical Colleges  
Member, Group on Medical Education

4. Extramural Lectures July, 1977 - June, 1978

<u>Date</u>	<u>Organization</u>	<u>Place</u>
9/9/77	Harrington Hospital Continuing Medical Education Program	Southbridge
9/10/77	Regional AMA Conference Continuing Medical Education Program	Hartford, Conn.
9/28/77	PSRO Regional Conference Continuing Medical Education Program	Worcester
10/7/77	Memorial Hospital Medical Grand Rounds	Worcester
12/8/77	Burbank Hospital Continuing Medical Education Program	Fitchburg
12/29/77	Holden Hospital Continuing Medical Education Program	Holden
1/5/78	Marlboro Hospital Continuing Medical Education Program	Marlboro
1/10/78	Fitchburg Family Practice Clinical Seminar	Fitchburg



1/13/78	Eastern Area Emergency Cardiac Care Workshop Presentation of Paper	Boston
1/31/78	American Heart Assn., Central Mass. Division Physical Assessment of the Heart Symposium	Worcester
3/2/78	WCIN Program on Coronary Heart Surgery	Worcester
3/23/78	Holden Hospital Continuing Medical Education Program	Holden
3/29/78	New England Hospital Assembly Presentation at Annual Meeting	Boston
3/30/78	Fitchburg Family Practice Clinical Seminar	Fitchburg
4/10/78	American Business Women's Assoc. Annual Meeting	Worcester
4/16/78	Association of Program Directors in Internal Medicine, Spring Meeting, Presentation at Scientific Sessions	Boston
4/20-21/78	Assn. of American Medical Colleges Northeast Group on Medical Education Clinical Workshop	Philadelphia, Pa.
5/20/78	Lawrence Memorial Hospital Continuing Medical Education Program	Medford
5/23/78	Lawrence General Hospital Continuing Medical Education Program	Lawrence
5/24/78	Pine Hill Montessori School Health Awareness Program	Worcester
6/2/78	Sturdy Memorial Hospital Continuing Medical Education Program	Attleboro
6/7/78	New England Cardiovascular Society, 1978 Annual Meeting, Program Moderator for Scien- tific Sessions	Boston



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 14, 1978

TO • Muriel Sawyer

FROM • R. Humphreys

SUBJECT • Annual Report

1. Additions to Bibliography:

None

2. Current research grants:

- a. Diagnosis of Human Leukemias, NCI
- b. Lymphocyte Membrane Proteins, March of Dimes
- c. Faculty Research Award, American Cancer Society,  
Massachusetts Division, Inc.

3. Activities:

Member ad hoc Study section, NIAID, ad hoc reviewer JNCI,  
Vox Sanguinis





Ingbar, Mary Lee, with the assistance of Curtis J. Henke and Edward H. Yelin.  
"Economics and Politics as Instruments for Improving the Delivery of Medical Care and the Health Status of Populations," Chapter 9 in The Behavioral Sciences and Preventive Medicine: Opportunities and Dilemmas, Robert L. Kane, editor. Fogarty International Center Series on the Teaching of Preventive Medicine, Volume 4. Washington, D.C.: U.S. Government Printing Office, DHEW Publication No. (NIH) 76-878, 1977, pp. 91-117.

Ingbar, Mary Lee, and Lenore Gerard. "Bibliography: Health Economics," Appendix I, ibid., pp. 207-228.

Henke, Curtis J., Edward H. Yelin, Mary Lee Ingbar, and Wallace V. Epstein.  
"The University Rheumatic Diseases Clinic: Provider and Patient Perceptions of Cost," Arthritis and Rheumatism, 20:2:751-758 (March 1977).

Ingbar, Mary Lee. "The Economics of Health Service: Determinants of Demand and Supply of Health Science Professionals," in Health Sciences Education in The Twenty First Century: Proceedings of the Symposium June 3 and 4, 1976, Newport Beach, California, Shirley S. Chater and James L. McGaugh, editors. Irvine, California: University of California, 1978, pp. 33-48.

Ingbar, Mary Lee. "The Consumer's Perspective," in Hospital Cost Containment: Selected Notes for Future Policy, Michael Zubkoff, Ira F. Pashin, and Ruth S. Hanft, editors. New York, New York: Milbank Memorial Fund, 1978, pp. 103-165.

Ingbar, Mary Lee. "Government Regulation of Hospital Costs," in Health Handbook, 1976: An International Reference on Care and Cure, George K. Chacko, editor. Amsterdam, The Netherlands: North-Holland Publishing Company, 1978, (in press).

Other Activities:

Consultant, Alpha Center for Health Planning, Syracuse, New York, May 1977-  
American Public Health Association  
Chairman, Social Policy Committee, 1977-1978  
Chairman-elect, Medical Care Section, 1977-1978  
Overseer, Peter Bent Brigham Hospital, Boston, Massachusetts, January, 1976-

(Note: some of the bibliographic items were in press on previous versions of c.v.)



## Publications:

Beck, B.D., P. Arscott, and A. Jacobson. Novel Properties of Bacterial Elongation Factor Tu. Proc. Natl. Acad. Sci. 75:1250, 1978.

Mabie, C.T. and Jacobson, A. Initiation of RNA synthesis in isolated slime mold nuclei (Submitted for publication).

Palatnik, C., Mabie, C. and Jacobson, A. Separation of most newly synthesized poly(A)-containing RNA from other cellular RNAs of Dictyostelium discoideum (Submitted for publication).

Palatnik, C., Wilkins, C. and Jacobson, A. Multiple Classes of Slime Mold mRNA and Their relationship to poly(A) content (Submitted for publication).

Ward, T., Lane, C.D., Palatnik, C., and Jacobson, A. Actin Messenger RNA of Dictyostelium discoideum (in preparation).

## Reviews and Chapters:

Firtel, R.A. and Jacobson, A. Structural organization and transcription of the genome of Dictyostelium discoideum, in Biochemistry of Cell Differentiation II, Volume 15, Ed. J. Paul, Univ. Pk. Press, Baltimore, pp. 377-429 (1977).

Jacobson, A., Palatnik, C.M., Mabie, C.T., and Wilkins, C. Poly(A) metabolism in Dictyostelium discoideum, in ICN-UCLA Symp. on Molecular Approaches to Eukaryotic Genetics (Ed. Abelson, J. and Wilcox, G.), Acad. Press, N.Y., pp. 291-299 (1977).

## Grant applications:

"Structural and Functional Similarities of Elongation Factor Tu and Actin"  
Identical application to NSF and NIH. Both approved.

Funded only by NIH

Requested \$195,523, awarded \$118,843.

From 12/77 to 11/80

"Messenger RNA Metabolism in Dictyostelium discoideum"

Identical application to NSF and NIH.

Accepted funding from NSF; NIH funding decision pending.

Requested \$180,955, awarded \$120,000.

From 1/78 to 12/79.

"Structure and Expression of Actin Genes"

Muscular Dystrophy Assn.

Requested \$23,000, awarded \$15,000

From 1/78 to 12/78

## Meetings Attended:

1978

Miami Winter Symposium on Development and Differentiation

ICN-UCLA Conference on Cell Biology (Poster - Dr. Palatnik)



Seminars at Other Institutions:

1978

U. of Colorado

1977

Harvard Medical School

State University of N.Y. at Stony Brook

Roche Institute of Molecular Biology

Brandeis University



ANNUAL REPORT INFORMATION

For the Period of July 1, 1977 to June 30, 1978

Isabelle Joris, M.D.





1) ADDITIONS TO THE BIBLIOGRAPHY

Ultrastructure of the Myocardium after Pulmonary Embolism

H. Cuenoud, I. Joris, G. Majno

American Journal of Pathology (In Press)

Role of Platelets in Wound Healing. A study in the Rat.

I. Joris, P. Braunstein, L. Pechet, G. Majno

Fed. Proc. 37:711, 1978

Infantile Digital Fibroma (Recurrent Digital Fibrous Tumor of Childhood) A

Myofibroblastic Tumor

J. Bhawan, C. Bachetta, I. Joris, G. Majno

J. Cutaneous Pathology. Abstract, in press.

Effect of Occlusion on Large Vessels. I. A Study of the Rat Carotid Artery.

J. Bhawan, I. Joris, U. DeGirolami, G. Majno

American Journal of Pathology 88:355-380, 1977.

Atherosclerosis and Inflammation

I. Joris, G. Majno

in: "The Thrombotic Process in Atherogenesis", Proceedings of a Symposium held in Reston, Virginia from October 16-19, 1977.

A.B. Chandler, et al. Editors, Plenum Press, New York, 1978 (In Press)

Endothelium 1977: A Review

G. Majno, I. Joris

in: "The Thrombotic Process in Atherogenesis", Proceedings of a Symposium held in Reston, Virginia from October 16-19, 1977

A.B. Chandler, et al. Editors, Plenum Press, New York, 1978 (In Press)



11) GRANTS

Ischemia, Diabetes, and the Microcirculation

NIH Grant # : HL21843

From 01-01-78 to 12-31-80

1<sup>st</sup> year: \$ 86,380

2<sup>nd</sup> year: \$ 62,570

3<sup>rd</sup> year: \$ 62,980

Principal investigator: U. DeGirolami

Co-principal investigator: I. Joris

Cardiovascular Pathology

NIH Grant # : HL16952

From 06-01-74 to 05-31-79

1<sup>st</sup> year: \$ 43,000

2<sup>nd</sup> year: \$ 45,365

3<sup>rd</sup> year: \$ 47,860

4<sup>th</sup> year: \$ 50,493

5<sup>th</sup> year: \$ 53,271

Principal investigator: G. Majno

Co-principal investigator: I. Joris



### III) PROFESSIONAL ACTIVITIES

1) During the beginning of this academic year, most of my time was spent<sup>28</sup> on the reorganization of the histopathology collection for the laboratories of the Pathology course. This was a major task involving the assembling, checking, relabelling and redistributing of some 30,000 slides. This project could never have been accomplished without the help of volunteer students provided by the Volunteers Service. As a result, we now have a fine teaching tool which should last many years.

2) I was appointed Chairperson of the Committee on Resources (Library). We will meet on a regular basis to see that the library forwards the goals of the University as regards to teaching, research and service (both to the Hospital and to the area medical community).

3) I was also appointed Chairperson of the Evaluation Sub-committee on Resources (Library and Audiovisual Facilities). I prepared a report on this area of the Medical School, intended as a critical evaluation to be used toward the accreditation of the Medical School.

4) Together with Dr. DeGirolami, I was awarded a rather large NIH Grant, entitled "Ischemia, Diabetes, and the Microcirculation". The main purpose of this grant is the study of the microcirculation under various pathologic conditions, including diabetes. Work on this project has started, with a comparison of the inflammatory response between diabetic and non-diabetic rats. We anticipate an answer very shortly; it will include a collaborative study with Dr. L. Braverman.





5) Between October 16 to 19, 1977 I was invited, with Dr. Majno, to a Symposium on Thrombosis and Atherosclerosis organized by the National Institutes of Health and by the American Heart Association in Reston, Virginia. This symposium was conceived as a synthesis of current data from several related fields; we were asked to prepare for it a review on the endothelium (See Bibliography). This review was prepared from a total of about 2000 references, of which 536 were used; it will be published shortly in a book soon edited by Drs. A.B. Chandler and C.J. Schwartz.

6) I was recently invited to spend a week (July 17 to 22, 1978) at the Center for Atherosclerosis of the Department of Pathology of the University of Chicago (Director: Dr. Robert Wissler). During that week I delivered a seminar on our current work at UMMS, and spent the rest of the time being exposed to the work done by that group. It was an extremely useful week, because that particular group is presently at the forefront of studies on the regression of experimental atherosclerosis in monkeys. Much of what I learned will be very useful for our own work.



# ANNUAL REPORT INFORMATION

Dr. Eileen S. Kane  
Associate Professor, Department of Anatomy  
7/1/77 to 6/30/78

## 1. Additions to Bibliography:

### ABSTRACTS:

- (a) Kane, E.S., 1978, Neurogenesis in cat dorsal cochlear nucleus (DCN) Anat. Rec., 190: 438.
- (b) Kane, E.S., 1978, Cochlear injections of labelled aspartate or glutamate produce localized grains in autoradiographs. Soc. for Neurosci. Abstracts.

### FULL PAPERS:

- (a) Kane, E.S. & C.P. Habib, 1978, Development of the dorsal cochlear nucleus of the cat; an electron microscopic study. Amer. J. Anat., in press.
- (b) Kane, E.S., 1978, Autoradiographic evidence for acidic amino acids as possible neurotransmitters of the cochlear nerve. Manuscript in preparation.
- (c) Kane, E.S. & J.W. Conlee, 1978, Descending inputs to the caudal cochlear nucleus in the cat; a silver degeneration and autoradiographic study. Manuscript in preparation.
- (d) Kane, E.S., 1978, Auditory fibers and the primary cochlear nuclei In: Evoked Electrical Activity in the Auditory Nervous System, (W.J. Nauton, ed.) N.Y.: Academic Press.

## 2. Current Research Grants:

- (a) U.Mass Med. Sch. BRSG (USPHS, NIH; RR 05712-06) "Identification of neurotransmitters in the cat cochlear nucleus". (Oct. 1, 1977-Sept. 30, 1978).
- (b) The Deafness Research Foundation. "Identification of neurotransmitters in the mammalian lower auditory system". (Jan. 1, 1977-Dec. 31, 1978).
- (c) NIH (NINCDS) NS-00290-03 (and 04) "Control auditory system connections in mammals". Research Career Development Award to ESK. (Award: 03-31-79).
- (d) NIH (NINCDS) NS-14260-01A1 (Supplement to current research grant) "Central auditory system connections in mammals". (Through: 03-31-79).

## 3. Professional Activities:

- (a) Special reviewer; National Science Foundation, Science, J. Cell Biology, J. Comparative Neurology.
- (b) Invited Participant: (2) "Evoked electrical activity in the auditory nervous system". Symposium sponsored by University of Chicago, (Dept. of Otolaryngology), Oct. 31-Nov. 2, 1977, Chicago, Ill.  
  
Invited Talks: (2) Eaton-Peabody Lab. for Auditory Physiology (Mass. Eye & Ear Infirmary), Boston, Mass., "Postnatal Development in caudal cochlear nucleus in kittens", March 29, 1978.
- (c) Appointed Research Associate, (Eaton-Peabody Lab. for Auditory Physiology), Mass. Eye & Ear Infirmary, Boston, Mass.



Kane, E.S. 1977 Descending inputs to the cat dorsal cochlear nucleus:  
an electron microscope study. J. Neurocytol., 6: 583-605.

Kane, E.S. 1977 Autoradiographic evidence of primary projections to  
the caudal cochlear nucleus in cats. Amer. J. Anat., 150: 641-652.

Kane, E.S. and R.C. Finn 1977 Descending and intrinsic inputs to dorsal  
cochlear nucleus of cats: a horseradish peroxidase study.  
Neuroscience 2: 897-912.



## ANNUAL REPORT

KATAYAMA, Isao, M.D.  
Department of Pathology

### I. BIBLIOGRAPHY

1. Katayama, I, Yang JPS: Reassessment of cytochemical test for differential diagnosis of leukemic reticuloendotheliosis. *Am J Clin Pathol* 68:268-272, 1977
2. Katayama I, Ceccecci L, Valu AF, Horne EO: Histiocytic lymphoma with sclerosis arising from a nodular lymphoma with a special stromal reaction: An ultrastructural study. *Cancer* 40:2203-2208, 1977
3. Katayama I, Schneider GB: Cytochemistry and ultrastructure of leukemic reticuloendotheliosis. *Proceedings of the 16th International Congress of Hematology, Kyoto, September 5-11, 1976. Excerpta Medica International Congress Series No. 415, pp.876-878*
4. Lusch CJ, Ramsey HE, Katayama I: Leukemic reticuloendotheliosis. Report of a case with peripheral blood remission on androgen therapy. *Cancer* 41: 1964-1966, 1978
5. Schneider GB, Katayama I: Scanning electron microscopy of Burkitt's tumor cells. *Am J Clin Pathol* 69:567, 1978 (letter)
6. Katayama I, Arkin C, DeGirolami P, Younger G, Synder M: Lymphoproliferative disorders masquerading as leukemic reticuloendotheliosis. *Fed Proc* 37:932, 1978 (abstract)
7. Yu D, Katayama I, Legg M, Bhawan J, Sadnorri B, Seidman J: Ultrastructure of primary nodular lymphomas of the lung. *Fed Proc* 37:463- 1978 (abstract)

### II. RESEARCH GRANT

1. Institutional Grant of American Cancer Society: Diagnostic Markers for Hairy Cell Leukemia; \$3000.
2. Sheldon Hank Hyatt Hairy Cell Leukemia Fund; \$2000.

### III. PROFESSIONAL ACTIVITIES

- A. Clinical activities: Took the surgical pathology desk on rotation.
- B. Teaching: Lectured on malignant lymphoma to medical students. Participated in multiple seminars and laboratory sessions.
- C. Research: Studies on lymphoma and leukemia.





- D. Consultation: Functioned as consultant on cases of Hematopathology from Massachusetts and other states.
- E. International Panel: 1. Expert Panel for Enzyme Histochemistry for International Committee for Standardization in Hematology.  
2. Pathology Panel for the Study of Effect of Splenectomy in Hairy Cell Leukemia.
- F. Lectures Outside: 1. Grand Round on Hairy Cell Leukemia at Faulkner Hospital, October 27, 1977.  
2. Pathology Seminar at Berkshire Medical Center, November 9, 1977.  
3. Read a paper at American Association of Pathologists Meeting, April 12, 1978.
- G. Administration: Supervised the operation of the Hospital Pathology Department.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

OFFICE MEMORANDUM

DATE 7/10/78

- Muriel Sawyer
- Robert B. Keller, M.D.
- Annual Report Information for the Period of

July 1, 1977 to June 30, 1978



1973-76	Member Board of Directors, Lowell Human Services Corporation
1974-77	Courtesy Staff-Orthopedic Surgery, Children's Hospital Medical Center
1974-	Orthopedic Consultant, Monson State Hospital, Palmer, Massachusetts, DMH
1974-77	Assistant Director of Health Services, Services For Handicapped Children, DPH, Commonwealth of Massachusetts
1974-77	Medical Director, Handicapped Children Unit, Tewksbury Hospital, Tewksbury, Massachusetts
1974-	Medical Advisory Committee, Community Nursing Association of Grafton, Massachusetts
1975-	Scoliosis Research Society-Education Committee
1975-	Subcommittee on Residencies, University of Massachusetts Medical School
1975-6	In Patient Care Committee, University of Massachusetts Medical School
1975-	Medical Care, Standards and Review Committee, University of Massachusetts Medical School
1975	Courtesy Staff Orthopedic Surgery, New England Deaconess Hospital
1976-	Orthopedic Consultant, Eunice Shriver Center and Walter Fernald School, Waltham, Massachusetts, DMH
1976-	Active Staff, University of Massachusetts Hospital
1976-	Orthopedic Consultant, Paul A Dever School, Raynham, Massachusetts, DMH
1976-	Credentials Committee, University of Massachusetts Medical School
1977-	Board of Councilors (Mass.) American Academy of Orthopaedic Surgeons





Academic Appointments:

1969-1973	Instructor in Orthopedic Surgery, Harvard Medical School
1972-1975	Assistant Professor of Orthopedic Surgery, University of Massachusetts Medical School
1975-	Associate Professor of Orthopedic Surgery, University of Massachusetts Medical School
1978	Director-Orthopedic Residency Training Program, University of Massachusetts Medical School

Memberships:

American Academy of Orthopedic Surgery

American College of Surgeons

Scoliosis Research Society

Massachusetts Medical Society

American Medical Association

Pan American Medical Association, Orthopedic Section

Boston Orthopedic Club

New England Orthopedic Society

Eastern Orthopedic Association

Pediatric Orthopedic Study Group

Pediatric Orthopaedic Society

American Academy of Pediatrics



Publications:

"Infection after Spinal Fusion Using Internal Fixation Instrumentation" with

Arthur M. Pappas, M.D., Orthopedic Clinics of North America, Vol. 3, No. 1, March 1972

"Pregnancy, Birth, and the Newborn Baby". The Children's Hospital Medical Center, Delacorte Press, 1972, Orthopedic Consultant and Advisor.

"Brain Abscess Complicating the use of Halo Traction", with D.I. Victor and M.J. Bresnan, Journal of Bone and Joint Surgery, 55A; 635, 1973

"Juvenile Aponeurotic Fibroma, with A. Baez-Giangreco, M.D., Clinical Orthopedics and Related Research, 106; 198, 1975

"Benign Bone Tumors of the Spine in Children". Accepted for publication, Clinical Orthopedics and Related Research

"Scoliosis and School Screening for Spinal Deformity", AFP 17:123-127, 1978, with William J. Kane, M.D., John C. Brown, M.D., Robert N. Hensinger, M.D. Robert B. Keller, M.D.



Papers Presented:

New England Orthopedic Society Spring Meeting, June 1977

"Orthopedic Complications of Lumbar Subarachnoid Shunts for Hydrocephalus",  
with John Shillito, Jr., M.D.

Scoliosis Research Society Hong Kong, October, 1977

"The National Spinal Screening Program". with William Kane, M.D., John C. Brown, M.D.,  
and Robert Hensinger, M.D.

New England Orthopedic Society Fall Meeting, November, 1977

"Report on the Scoliosis Research Society National Screening Program"

Pediatric Orthopaedic Study Group, San Antonio, December, 1977

"Orthopedic Complications of Lumbar Subarachnoid Shunts" with John Shillito, Jr., M.D.

New England Orthopedic Society Spring Meeting, 1978

"Traumatic Subluxation of the Lumbo-sacral Spine", with Eugene M. Brady, M.D.

Scoliosis Research Society, Boston, 1978

"Spine Deformity in the Retarded"

100

New York  
"R"

London  
"R"

New England  
"R"

Scotland  
"R"



# *The Commonwealth of Massachusetts*

## *University of Massachusetts*

*Worcester 01605*

MEDICAL CENTER  
CANCER PROGRAMS  
55 Lake Avenue North

Telephone: (617) 856-3203

June 29, 1978

Muriel Sawyer  
Special Assistant to Chancellor  
UMMC

Dear Muriel:        Annual Report Information

For the period - July 1, 1977 to June 30, 1978

1. Additions to bibliography:

- a. Selawry, Oleg; Krant, Melvin J.; Scatto, Joseph; Kazam, Elias; Schneiderman, Marvin; Olson, Kenneth; Shinder, Bruce; Edmonson, John; Hollant, James; Taylor, Samuel III. Methotrexate Compared with Placebo in Lung Cancer. Cancer, Vol. 40, No. 1, July, 1977.
- b. Krant, M. J.; Johnston, Lee. Family Members' Perceptions of Communications in Late Stage Cancer. Psychiatry in Medicine. Vol. 8, No. 2, 1977.
- c. Krant, M. J. When the Diagnosis is Cancer. Karger Gazette, Switzerland. Oct. 1977.
- d. Krant, M. J. Terminally Ill Cancer Patient, Family Often Make No Plans For Death. U.S. Medicine, Oct. 15, 1977.
- e. Krant, M. J. Preparation For Death. International Medical News Group. October, 1977.
- f. Krant, M.J. Leter to Editor, New England Journal of Medicine. Nov. 1977.
- g. Krant, M.J.; Bertman, S. To Know of Suffering and the Teaching of Empathy. Social Science & Medicine. Vol. 11, p 639-644. Pergamon Press. 1977. Printed in Great Britain.
- h. Krant, Melvin J. Caring for the Terminally Ill: Expectations of Patient and Family. The Hospital Medical Staff, Vol. 7, No. 2., Feb. 1978.





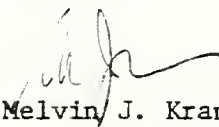
Muriel Sawyer

-2-

June 29, 1978

2. Clinical Cancer Education Grant. N.C.I. (Federal). Approved for Funding to start 7/1/78.
3. None.

Sincerely,



Melvin J. Krant, M.D.

MJK:mpk





# *The Commonwealth of Massachusetts*

*University of Massachusetts*

*Worcester 01605*

MEDICAL CENTER

DEPARTMENT OF

FAMILY AND COMMUNITY MEDICINE

55 Lake Avenue North

Telephone: (617) 856-2246

TO: Muriel Sawyer, Special Assistant to the Chancellor

FROM: Barry S. Levy, M.D. *[Signature]*

RE: Response to your memo of June 19 regarding Annual Report

DATE: June 23, 1978

1. Additions to bibliography since July 1, 1977:

Winegar DA, Levy BS, Andrews JS Jr, et al: Chronic occupational exposure to lead: An evaluation of the health of smelter workers. *Journal of Occupational Medicine* 19:603-606, 1977

Levy BS, Harris JC, Smith JL, et al: Hepatitis B in ward and clinical laboratory employees of a general hospital. *American Journal of Epidemiology* 106:330-335, 1977

Weiss HB, Winegar DA, Levy BS, et al: Giardiasis in Minnesota, 1971 - 1975. *Minnesota Medicine* 60:815-820, 1977

Levy BS, von Reyn CF, Arbeit RD, et al: More on Streptococcus bovis endocarditis and bowel carcinoma (Letter to the editor). *New England Journal of Medicine* 298:572-573, 1978

Peterson M, Levy BS: Misconceptions about possibly rabid animals that have bitten humans. *Minnesota Medicine* (in press)

Peterson D, Andrews JS Jr, Levy BS, et al: An effective school-based influenza surveillance system. *Public Health Reports* (in press)



2. Current Research Grants:

Biomedical Research Support Grant - "Occupational Health-Preliminary Studies" (including development of improved methods of occupational disease surveillance and a study of preventive medicine in the workplace).

American Cancer Society Institutional Grant - "Occupational, Environmental, and Personal-Habit-Related Disease in the Greater Worcester Area" (case-control interview study to determine possible factors associated with development of certain serious diseases).

3. Professional Activities:

Teaching - Medical students and residents-general preventive medicine, occupational health, infectious disease epidemiology, and internal medicine;  
Occupational health nurses, physicians, and others occupational health topics (by coordinating full-day symposium here on "Recognizing and Preventing Occupational Disease");  
Developed occupational health teaching manual for medical students.

Other

Research - Study of gastroenteritis among pollution control workers;  
Survey of teaching of occupational health in American Medical Schools;  
Development of diagnostic strategy for acute myocardial infarction;  
Review of 100 cases of infective endocarditis over a 7-year period at a Boston hospital;  
Study of symptoms possibly related to work-related exposure to toluene and other substances at the University of Massachusetts (Amherst).

Clinical - Consultation in internal medicine at the Family Health and Social Service Center;  
As noted above, teaching medical students and residents internal medicine at Ambulatory Care Unit, UMMC;  
Performance of annual physical examinations for a small number of Massachusetts Division of Industrial Safety employees.

Adminis-

trative - One of four Department of Family and Community Medicine representatives on Faculty Council;  
Physician member of Massachusetts Pesticide Board.





To: Muriel Sawyer  
Alumni Affairs  
Date: 7/31/78

Leslie Lipworth, M.B.

Department of Family and Community Medicine

1. Additions to Bibliography 1977-78

ACCEPTED FOR PUBLICATION 1978

1. "Characterization and Experimental Use of Monospecific Antiserum to Factor IX", accepted by Thrombosis & Hemostasis, Pechet, L.; Tiarks, C.Y.; Chang, C.; Sudhindra, R.R.; and Lipworth, L.
2. "Relationship of Factor IX Antigen and Coagulant in Hemophilia B Patients and Carriers", accepted by Thrombosis & Hemostasis, Pechet, L.; Tiarks, C.Y.; Stevens, J.; Sudhindra, R.R.; and Lipworth, L.
3. "Correlations in Mortality Data Involving Cancers of the Colorectum and Esophagus", accepted by Cancer, Lipworth, L. and Rice, C.A.
4. "Effect of Starvation on Hypothalamic-Pituitary Thyroid Function in the Rat", Harris, A.R.; Fang, S.H.; Azizi, H.F.; Lipworth, L.; Vagenakis, A.G.; Braverman, L.E. Accepted by Metabolism.

2. Professional Activities 1977-78

a. Membership

1. Board of Directors, American Heart Association, Central Mass. Division
2. Water Quality Resources Study Group, Worcester Consortium for Higher Education
3. Massachusetts Health Planning Data Committee

b. Lectures

1. Three lectures delivered on Biostatistics through the "Copace" program for Degree of Masters in Public Administration with concentration on Public Health.

c. Development of Programs

1. Director of the Residency Program in General Preventive Medicine. Received provisional accreditation in May 1977 for 3 years.



To: Muriel Sawyer  
Alumni Affairs

From: Leslie Lipworth, M.B.

Date: July 31, 1978

Subject: Professional Activities

Professional Activities Cont.

Consultant to Boston University Center for Health Planning



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 17, 1978

• Muriel Sawyer

FROM • Dr. James J. Lukes  
SUBJECT • Annual Report Information

I Additions to Bibliography

- 1) The Preceptorships, An Integral Unit of the Curriculum in Community and Family Medicine J. of Comm. Health 3, 271 (1978)
- 2) Four Years Experience with an Extensive Primary Care Preceptorship Program - Burke, Lukes and Mansell  
Proceedings of National Workshops on Medical Preceptorships - University of Wisconsin - October 1977.
- 3) Incorporation of the Contents of a Federally Funded Primary Care Preceptorship Longitudinally into the Medical Curriculum - Lukes, Mansell and Burke  
Proceedings of National Workshop on Medical Preceptorships - University of Wisconsin Oct. 1977.
- 4) Comparison of Cardiovascular Patient Encounters in Primary Care Practices - Abstract  
American Heart Association Meetings 1978

II Research Grants (received and pending)

- 1) Protective Factors Which Foster Non Abuse in Siblings (Lukes) (pending)
- 2) Special Project Grant for Primary Care Preceptorship Training (Mansell, sponsor).
- 3) New England Family Physicians Teaching Project (Catlin, sponsor) (pending)
- 4) Predoctoral Training in Family Medicine (Catlin, sponsor) (pending)

III Professional Activities

- 1) Task Force and Board member developing Worcester Area Community Mental Health Center.
- 2) Participant in Dartmouth Medical School Preceptorship Workshop.



To: Muriel Sawyer  
rom: Dr. James J. Lukes

July 17, 1978

- 3) Symposium speaker at University of Wisconsin School of Medicine, Madison, Wisconsin.
- 4) Presenting faculty for U.M.M.C. conference entitled "The Management of the Alcoholic in Emergency and Primary Care Settings" June 1978.
- 5) Presenting faculty at Worcester State College symposium "Medical Aspects of Alcoholism."





1) ADDITIONS TO THE BIBLIOGRAPHY

Ultrastructure of the Myocardium after Pulmonary Embolism

H. Cuénoud, I. Joris, G. Majno

American Journal of Pathology (In Press)

Role of Platelets in Wound Healing. A study in the Rat.

I. Joris, P. Braunstein, L. Pechet, G. Majno

Fed. Proc. 37:711, 1978

Infantile Digital Fibroma (Recurrent Digital Fibrous Tumor of Childhood): A Myofibroblastic Tumor

J. Bhawan, C. Bachetta, I. Joris, G. Majno

J. Cutaneous Pathology. Abstract, in press.

Effect of Occlusion on Large Vessels. I. A Study of the Rat Carotid Artery.

J. Bhawan, I. Joris, U. DeGirolami, G. Majno

American Journal of Pathology 88:355-380, 1977

Atherosclerosis and Inflammation

I. Joris, G. Majno

in: "The Thrombotic Process in Atherogenesis", Proceedings of a Symposium held in Reston, Virginia from October 16-19, 1977.

A.B. Chandler, et al. Editors, Plenum Press, New York, 1978 (In Press)

Endothelium 1977: A Review

G. Majno, I. Joris

in: "The Thrombotic Process in Atherogenesis", Proceedings of a Symposium held in Reston, Virginia from October 16-19, 1977.

A.B. Chandler, et al. Editors, Plenum Press, New York, 1978 (In Press)



### III) PROFESSIONAL ACTIVITIES

#### Invited lectures included the following:

Locally, at Quinsigamond Community College and at the Worcester City Hospital: lectures on topics of medical history.

The Middlesex West Medical Society (Framingham) asked me to deliver the Cesare Tedeschi Memorial Lecture.

Newton-Wellesley Hospital: lecture in the Continuing Medical Education Series.

I was also invited to take part in the Vascular Malformation Workshop at the Children's Hospital in Boston, on October 4, 1977.

#### Lectures out of State:

University of Arkansas, Little Rock, Arkansas: three lectures on inflammation in the General Pathology course.

Also, a lecture on wound healing in the Department of Surgery at the same school.

Meeting on Thrombosis and Atherosclerosis in Reston, Virginia, October 16-19, 1977. This was a symposium organized by the National Institutes of Health and by the American Heart Association. The purpose was to bring together representatives of different fields. Dr. Joris and I represented electron microscopy, and were asked to present a review on the endothelium, which will be published shortly (See Bibliography).

Los Angeles Society of Pathologists: Annual Memorial Lecture, December 13, 1977.



New England Society of Pharmacologists: I was asked to give a lecture on Drugs in Antiquity (January 13, Worcester Foundation).

Columbia University, Health Science Library: Lecture in a guest series organized by the History of the Health Sciences Committee of that Medical School (February 14, 1978).

Department of Gastroenterology, University of California at San Francisco: lecture on G.I. practice in antiquity.

Western Reserve University, Cleveland Ohio: Lecture in the series "Frontiers in Biological Sciences" as a guest of the Department of Pathology there.

Hahnemann Medical School, Philadelphia: two lectures on inflammation for the sophomore medical students, May 8, 1978.

#### Activities for NIH:

I was invited to take part in two site visits: one to the University of California, San Francisco, the other was to the University of Chicago, and was subsequently cancelled.

I have also attended several meetings of the Pharmacology-Morphology Committee of the PMA (Pharmacological Manufacturers Association). This Committee, headed by Dr. Don W. Fawcett of Harvard Medical School, is in charge of selecting candidates for two year fellowships, for studies combining pharmacological and morphological approaches.

#### Teaching:

With the assistance of the Department as a whole, I have planned and organized an overhauling of the Pathology course, so that it will be run





along the so-called "pathophysiology" lines. The major emphasis will be a close collaboration with the departments of Medicine, Surgery, and Obstetrics and Gynecology. Much of the hisopathology teaching will be replaced by the study and discussion of clinical cases. We are very much looking forward to this new venture.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE June 22, 1978

TO • Muriel Sawyer

FROM • Martin G. Marinus  
SUBJECT • Annual Report Information

1. Additions to bibliography

None.

2. Current Research Grants

- (a) USPMS grant GM 22055: "The function of methylated bases in Nucleic Acids."
- (b) American Cancer Society: Faculty Research Award

3. Professional Activities

(a) Teaching

Course co-ordinator for genetics. Participated in teaching Genetics to first-year medical students. Participated in teaching Pharmacology to second-year medical students.

(b) Research

Continued investigations on function of methylated basis in DNA as outlined in Progress Report GM 22055-03. Attended and presented a paper at the UCLA-ICN Symposium on DNA repair mechanisms, Keystone Co., February 19-24th, 1978.

(c) Administration

Member of First Year Promotions Board. Attended meetings of EPC for course co-ordinators. Member of Subcommittee on Faculty Evaluation for Institutional Self-Study Task Force.



INTEROFFICE MEMORANDUM

DATE July 28, 1978

TO • Muriel Sawyer  
Special Assistant to the Chancellor

FROM • Sandy Marks - Anatomy Department

SUBJECT • Annual Report Information

1. Additions to bibliography:

Marks, Sandy C., Jr. Pathogenesis of osteopetrosis in the microphthalmic mouse: reduced bone resorption. American Journal of Anatomy, 149: 269-275, 1977.

Marks, Sandy C., Jr. Osteopetrosis in the toothless (tl) rat: presence of osteoclasts but failure to respond to parathyroid extract or to be cured by infusion of spleen or bone marrow cells from normal littermates. American Journal of Anatomy, 149: 289-297, 1977.

Marks, Sandy C., Jr. Studies of the mechanism of the spleen cell cure for osteopetrosis in ia rats: appearance of osteoclasts with ruffled borders. American Journal of Anatomy, 151: 119-130, 1978.

Marks, Sandy C., Jr. Studies of the cellular cure for osteopetrosis by transplanted cells: specificity of the cell type in ia rats. American Journal of Anatomy, 151: 131-138, 1978.

Rodan, G.A., S. B. Rodan and S.C. Marks, Jr. Parathyroid hormone stimulation of adenylate cyclase activity and lactic acid accumulation in calvaria of osteopetrotic (ia) rats. Endocrinology, 102: 1501-1505, 1978.

Marks, Sandy C., Jr. and Gary B. Schneider. Evidence for a relationship between lymphoid cells and osteoclasts: bone resorption restored in ia (osteopetrotic) rats by lymphocytes, monocytes and macrophages from a normal littermate. American Journal of Anatomy, 152: 331-342, 1978.

2. Current research grant:

1977-1979 "The origin and role of osteoclasts in tooth eruption"  
Grant #DE 03818, National Institute for Dental Research \$65,800.

3. Professional Activities:

On sabbatical at Anatomy Department, Faculty of University of Malaysia Kuala Lumpur during most of this period--teaching anatomy and doing research on bone loss in leprosy (4 manuscripts submitted).



BORN... 21 October, 1939 Davenport, Iowa

HOME ADDRESS... 3 Seal Cove Lane, Hingham, Massachusetts

OFFICE ADDRESS... Pondville Hospital, Box 111, Walpole, Mass. 02081

MARRIED... 2 children, girls, ages 4 and 10, wife - Mary Jean

EDUCATION... Grinnell College, Grinnell, Iowa, 1961-1965 - B.A.  
Cornell Medical College, New York, New York, 1961-1965 M.D.  
Internship - Medical-Surgical, San Francisco General Hospital, 1965-1966  
U.S.A.F. Medical Officer, Hanscom Field, Bedford, Mass. 1966-1968  
Radiology Residency - University of Michigan, 1968-1969  
Massachusetts General Hospital, Boston, Mass. 1969-1972  
Postgraduate Training - Assistant in Radiation Medicine, Massachusetts General Hospital, Boston, Mass. 1971 - 1972

CERTIFIED AMERICAN BOARD OF RADIOLOGY - 1972

MEDICAL LICENSES - Massachusetts  
Michigan  
California

ACADEMIC APPOINTMENTS

- Previous
- (1) Clinical Fellow in Radiology, Harvard Medical School, Boston, Massachusetts 1969-1971
  - (2) Assistant in Radiation Medicine, Massachusetts General Hospital, Boston, Massachusetts 1971-1972
  - (3) Assistant Professor, Radiology, Boston University School of Medicine, Boston, Massachusetts 1972-1974
- Present
- (1) Associate Clinical Professor, Radiology, Boston University 1974 - present
  - (2) Associate Professor, Radiology, University of Massachusetts Medical School, Worcester, Massachusetts 1976 - present





## HOSPITAL APPOINTMENTS

- (1) Chief of Diagnostic Radiology and Nuclear Medicine, Pondville Hospital, Walpole, Massachusetts 1972 - present
- (2) Consultant, Radiology, Cape Cod Hospital, Hyannis, Massachusetts 1972 - present
- (3) Member, Executive Committee, Boston City Hospital, Radiology Department, 1973 - present
- (4) Member, Executive Committee, Pondville Hospital, Walpole, Massachusetts, 1974 - present
- (5) Chairman, Utilization Review Committee, Pondville Hospital, Walpole, Massachusetts 1974-1977
- (6) Chairman, Medical Audit Committee, Pondville Hospital, Walpole, Massachusetts 1975 - present
- (7) Chairman, Credentials Committee, Pondville Hospital, Walpole, Massachusetts 1977- present
- (8) Acting Chief of Staff and Chief of Radiology, Pondville Hospital, Walpole, Massachusetts March 1978 - present

## ASSOCIATIONS AND SOCIETIES

Massachusetts Radiological Society  
Massachusetts Medical Society  
American College of Radiology  
Radiological Society of North America  
American Thermographic Society  
Daland Society (Pondville Hospital)  
New England Cancer Society  
American Medical Association

## PUBLICATIONS

- In press - (1) Meyer, J.E., et al. Fatal Complications of Percutaneous Lung Biopsy. A review of the literature and report of a case. RADIOLOGY, 96.47, July 1970.
- (2) Meyer, J.E., X-ray Seminar # 111, Calcification in Aortic Arch in a Young Man. J.A.M.A. 214 (3) 545-546, October 1970.
- (3) Meyer, J.E., X-ray Seminar #112, Painful Knee in a Young Girl. J.A.M.A. 214 (8) 1476-1477, October 1970.
- (4) Meyer, J.E., and Wang, C.C., Carcinoma of the Nasopharynx - Factors Influencing the Results of Treatment. RADIOLOGY, 100, 385-390, August 1971.



PUBLICATIONS

- In Press - (5) Wang, C.C. and Meyer, J.E., Carcinoma of the Nasopharynx - An Analysis of 170 Patients. CANCER 28, 566-570, September, 1971.
- (6) Meyer, J.E. and Schulz, M., Solitary Myeloma of Bone - A Review of 12 Patients. CANCER 34, 438-440, August 1974.
- (7) Meyer, J.E. Metastatic Melanoma of the Urinary Bladder, Diagnosis and Treatment. CANCER 34, 1822-1825, Nov. 1974.
- (8) Meyer, J.E., et al. Percutaneous Aspiration Lung Biopsy of Nodular Lesions. JOURNAL OF THORACIC & CARDIOVASCULAR SURGERY Vol. 73, No. 5, 787-791, May, 1977.
- (9) Meyer, J.E. and Messer, R.J., Urinary Tract Abnormalities Detected on Bone Scanning. CANCER 40, 3074-3075, December, 1977.
- (10) Meyer, J.E., Patel, V., and Messer, R.J., Diagnosis and Treatment of Obstructive Jaundice Secondary to Liver Metastases. CANCER 41, 773-775, February 1978.
- (11) Co-Author of "Neoplasms of the Kidney" - 5th Edition of Cancer - A MANUAL FOR PRACTITIONERS
- (12) Meyer, J.E., Thoracic Effects of Therapeutic Irradiation for Breast Carcinoma, AMERICAN JOURNAL OF ROENTGENOLOGY, Vol. 130, # 5, 877-886, May, 1978.
- (13) Meyer, J.E., Silverman, P., Gandbhir, L., Fat Necrosis of the Breast-A Clinico-Pathologic Correlation. ARCHIVES OF SURGERY, July, 1978.
- (14) Meyer, J.E. Pretreatment Radiographic Evaluation of Malignant Melanoma, CANCER, 42, 127-126, July, 1978.
- (15) Meyer, J.E. Radiographic Evaluation of Disseminated Melanoma, CANCER, 42, 127-132, July, 1978.

- Submitted - (1) Giant Ureteral Calculi.
- (2) Percutaneous Aspiration of Easily Accessible Lesions.

In Preparation -

- (1) Complications of Treatment of Cervical Cancer with Radiation.
- (2) Changes in the Pyelogram Induced by Wertheim Hysterectomy.
- (3) Survival of Patients with Cervical Cancer Treated with Radiation.



PRESENTATIONS -

- (1) Carcinoma of the Nasopharynx, Presented to the 56th Scientific Assembly and annual meeting of the Radiological Society of North America, Chicago, Illinois. November 29, 1970 - December 4, 1970.
- (2) Unusual Manifestations of Disseminated Melanoma, Presented to the New England Cancer Society and Daland Society, Fall Meeting on October 26, 1973.
- (3) Percutaneous Aspiration Biopsy of Lung Lesions, Presented to the Daland Society, Pondville Hospital, Walpole, Massachusetts, June 6, 1975.
- (4) Mammography and Thermography in Breast Disease, Postgraduate course, Diagnostic Oncology, March 1975.
- (5) Complications of Therapeutic Radiology - Diagnostic Evaluation. Presented to Boston University Postgraduate course in Diagnostic Oncology, March 1976.

EXHIBITS -

Boston City Hospital Seminars

- 1973 - Complications of Radiotherapy
- 1974 - Mammography in the Evaluation of Breast Disease
- 1976 - Soft Tissue Neck Radiography
- 1977 - Lymphangiography in the Cancer Patient





UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 18, 1978

TO • Muriel Sawyer

FROM • Thomas B. Miller, Jr. - Department of Biochemistry

SUBJECT • Annual Report Information

1. Additions to Bibliography:

Miller, T.B., Jr., Effects of Diabetes on Glucose Regulation of Enzymes Involved in Hepatic Glycogen Metabolism. American Journal of Physiology, 234(1):E13-E19, 1978.

Miller, T.B., Jr., Cyclic AMP-Mediated Activation of Hepatic Glycogenolysis by Fructose. Biochimica et Biophysica Acta, 540:151-161, 1978.

Miller, T.B., Jr., Effects of Insulin and Diabetes on Cardiac Glycogen Synthase. Federation Proceedings, 37(3):267, 1978.

2. List of Current Research Grants:

NIH Research Grant AM18269-03 - Regulation of Hepatic Glycogen Synthesis.

NIH Research Grant HL20476-02 - Effect of Diabetes on Cardiac Performance.

NIH Research Career Development Award AM000375 - Diabetes and Regulation of Glycogen Metabolism in Liver and Heart.

3. Professional Activities:

Member of Special Study Section for Review of Special Emphasis Research Career Development Awards on Cardiovascular Complications of Diabetes for the National Heart, Lung, and Blood Institute, April 2-3, 1978, Washington, DC.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 28, 1978

TO • Muriel Sawyer

FROM • Tracy B. Miller, Ph.D., Department of Pharmacology  
SUBJECT • Annual Report Information

1. Addition to bibliography

Jacob Brem and Tracy B. Miller: Salicylates in Spinal Fluid.  
New England Journal of Medicine 298:744, 1978.

2. None - application to NIH - Endorphins and Tolerance to Opiates  
was approved but not funded.

3. 1. Spent two weeks in June, 1978 working at the NIH in Dr. Candace Pert's laboratory.  
2. Was organizer and coordinator of the meeting of New England Pharmacologists held here in January 1978. The two day meeting was attended by 150 pharmacologists from the New England area.  
3. Chairman of the Board of Directors, Central Mass. Division, American Heart Association.  
4. President - Performing Arts School of Worcester.  
5. Helped organize U/Mass. Committee for the arts to provide cultural programs for the Medical Center community.  
6. Participated in and organized Pharmacology teaching for the University of Massachusetts Nurse Practitioner program.  
7. Working with Dr. Herbert Beall from W.P.I. to study the chemistry of gold compounds used in the therapy of rheumatoid arthritis. We have been conducting experiments preliminary to applying for grant support.



## CURRICULUM VITAE

Name	Avijit Mookerjee
Date of Birth	18 June 1947
Marital Status	Married
High School Education	Senior Cambridge 1962 (University of Cambridge, England) from St. Xavier's High School, Hazaribagh, India.
Pre Medical Education	Prince of Wales Medical College, Patna University, Patna India. 1963-1964 Degree: Pre Medical Position in class: 4th.
Medical School	Prince of Wales Medical College, Patna, India. 1964-1969 Degree: M.B., B.S. Position in Class: 4th.
Scholarships	Government of Bihar Scholarship
Post Graduate training	Rotating Intern, Patna Medical College Hospital, Patna, India. October 1969-April 1970 Junior House Surgeon (Dept. of Surgery) Patna, India. May 1970-November 1970 Senior House Surgeon (Dept. of Surgery) Patna, India. December 1970-June 1971 Surgical Resident, Creighton University Affiliated Hospitals, Omaha, Nebraska July 1972-June 1973 Surgical Resident, Springfield Hospital Medical Center (University of Tufts) July 1973-June 1974 Resident in Anesthesiology, Columbia Presbyterian Medical Center, New York. July 1974-June 1976 Fellow in Cardiac Anesthesiology & Intensive Care Unit Columbia Presbyterian Medical Center, New York. July 1976-June 1977
Current Appointment	Instructor in Anesthesiology, Boston University School of Medicine, Attending Anesthesiologist, University Hospital.
Immigration Status	Permanent Resident Alien A 31 436 655
Memberships of Societies	American Association of Anesthesiologists Massachusetts State Anesthesiologists Association
E.C.F.M.G....	Standard Certificate# 170 399 0 February 16th. 1972
Licences	Indian Medical Council Commonwealth of Massachusetts. Certificate# 37029 (Aug'22, State of New York. Certificate# 122469 (Nov'15, 74)
Social Security#	513 62 2463
Board Certification	Diplomate American Board of Anesthesiology (October 7, 1977)
Research publications	(a) Acute Hemodynamic alterations after aortic valve replacement with the glutaraldehyde-treated porcine heterograft prosthesis: Mookerjee A. et.al J. Thorac. Cardiovasc. Surg., 74, 788-797, 1977 (b) Myocardial performance immediately after mitral valve replacement with the glutaraldehyde-treated porcine heterograft prosthesis (in preparation) (c) Alteration in intra-pulmonary shunt during aortic abdominal aneurysmectomy (in progress)



Georgina M. Nemecek, Ph.D., Department of Biochemistry

1. Additions to Bibliography: Nemecek, G.M. "Stimulation of Hamster Adipocyte Cyclic 3':5' Nucleotide Phosphodiesterase Activity by Ionophore A23187 and Calcium", J. Cyclic Nucleotide Research, In Press.
2. Current Research Grants: NHLI Young Investigator Research Award "Cyclic Nucleotide Metabolism in Vascular Endothelium", 9/31/77 - 9/29/80. Award: \$87,758
3. Professional Activities: Faculty Council Representative; Secretary, Faculty Council. Faculty Council Ad Hoc Committee on UMMC Personnel Policies; Member, Tissue Culture Association.





CURRICULUM VITAE

NAME... David Alan Ostfeld, M.D.  
DATE OF BIRTH... May 23, 1945  
MARITAL STATUS... Married - one child  
ADDRESS... 113 Colonel's Lane TH-1 East Weymouth, Massachusetts 02189  
BUSINESS OFFICE... Pondville Hospital  
Box 111, P.O. Walpole, Massachusetts 02081

EDUCATION AND TRAINING

Rutgers - The State University - B.A. - 1967  
Distinction in Zoology  
Dean's List

Upstate Medical Center - S.U.N.Y. M.D. 1971

Internship - Rotating, Long Island Jewish Medical Center, 1971-1972

Residency - New York Medical College, FlowerFifth Ave., 1972-1975

Diplomat of the National Board of Medical Examiners - 1972

Board certified in Diagnostic Radiology, June 1975.

U.S. Navy - 1975 - 1977, Camp Lejeune, North Carolina  
Chief of Special Procedures

RESEARCH EXPERIENCE

Henry Rutgers Research Scholar 1966-1967

Thurlow Nelson Research Grant 1966-1967

Summer Fellowship - Cardiology 1969

Summer Fellowship - Radiologic and Pathologic Correlations of  
the lung with Dr. Robert Heitzman 1970

MEMBERSHIPS IN NATIONAL AND LOCAL SOCIETIES-

The Radiological Society of North America

Radiological Society of New York Medical College

Massachusetts Medical Society

MEDICAL LICENSE - New York  
North Carolina  
Massachusetts



HOSPITAL APPOINTMENTS

Instructor, University of Massachusetts Medical School,  
Worcester, Massachusetts, 1977 to present

Chairman, Human Studies Committee, Pondville Hospital, Walpole,  
Massachusetts, 1977 to present

Daland Society Pondville Hospital, Walpole, Massachusetts

Clinical Assistant Professor of Radiology, Boston University,  
Boston, Massachusetts

PUBLICATIONS -

"Surfactant" CHEST DIGEST Vol. 2, 1974

SUBMITTED FOR PUBLICATION -

1. Giant Ureteral Calculi, RADIOLOGY

IN PREPARATION

1. Percutaneous Aspiration of non-lung lesions.
2. Intravenous Pyelogram in the post-Wertheim Hysterectomy patient.
3. Unusual Manifestations of Malignant Melanoma.

CONTINUING EDUCATION

Visiting Fellowship in Ultrasound, January 1978 U.C.L.A.

EXHIBITS

Xeroradiography of the Breast, New York Medical College, 1974.

EXHIBIT

CONTINUING

IN REPLY

TO LETTER

OF

DATE

## CURRICULUM VITAE

Arvind Patel, M.D.

22 Cold Harbor Drive  
Northboro, Massachusetts

Phone: Office - (617) 856-3762, 856-3271  
Residence - (617) 393-6564

Nationality: British

Date of Birth: November 24, 1931

Present Position:

2/1978 to Present

Assistant Professor, University of Massachusetts Medical Center, 55 Lake Ave. North,  
Worcester, Massachusetts 01605

Broad Base High School Education:

6/1945 thru 3/1949

At M.M. High School, Jodhpur, Gujarat State, India

English, Mathematics, Physics, Chemistry, History, Geography and Classical Language,  
Secured distinction in 3 subjects and credits in all other subjects.

Basic University Education:

6/1949 thru 3/1951

At M.G. Science Institute, Ahmedabad, India

Biology, Botany, Physics, Chemistry, Algebra, Geometry, Zoology and English.  
Selected by the Surgeon General's Committee for Admissions to Medical Colleges -  
120 admitted from 2,500 applicants.

M.B.B.S. - 5 Year Degree Course:

6/1951 thru 6/1956

At B.J. Medical College & Civil Hospital, Ahmedabad, India

1st Exam. after 2 Years:

Anatomy, Physiology, Histology & Bio-Chemistry

Stood third among all the students appearing at this examination.

2nd Exam. after 4 Years:

Pharmacology, Pathology, Medicine, Surgery, Gynaec-Obstetrics, Preventive  
Medicine, Jurisprudence & Bacteriology.

Stood first among all the students appearing at this examination.

Final Degree Examination 5th-Year:

Secured the FIRST position in the University with the highest number of marks  
in Clinical Medicine & Gynaec-Obstetrics.

Curriculum Vitae  
Arvind Patel, M.D.

Post-Graduate Training:

At University Hospital Center - Ahmedabad, India

Resident House Physician - General Medicine 8/1956 thru 7/1957  
Resident House Physician - Skin & V.D. 8/1957 thru 1/1958  
Resident Medical Registrar - General Medicine 2/1958 thru 7/1958  
Resident Supernummary House Surgeon - General Surgery 8/1958 thru 9/1959

Presented a Dissertation on --

"Mitral Valve Disease and Fluroscopy of the Left Atrium" .

On successful presentation of the above dissertation was allowed to appear at the post-graduate examination and obtained the:  
Doctor of Medicine

At the first attempt with Internal Medicine as special subject and cardiology as sub-speciality.

Emigrated to Jinja, Uganda

10/1959

General Practice:

10/1959 thru 9/1964

Became a leading practitioner in the 2nd largest city and the Industrial Capital of Uganda. Also worked as a part-time medical officer for saw milling industry employing over 1,600 workers. Also gave honorary service to community baby health clinic. Actively associated with Lion's Club projects like immunization clinic, tracoma erradication on medical side and children's park & science laboratory on social side. Regularly attended weekly clinical meetings of Jinja Hospital and Regional Scientific conferences organized by the Uganda Medical Association for the Continuing Education for Members of the Medical Profession in Uganda.

Constantly kept in touch with the progress in the medical world by regularly reading medical journals like:

\*Medical Clinic of North America      \*American Journal of Medical Association  
\*British Medical Journal      \*Lancet      \*Archieves of Internal Medicine

Internal Medicine/Cardiology Consultant

10/1964 thru 10/1972

By 1964, I had established the reputation among the practicing Physicians-not only in the city of Jinja, but also in the Eastern Region of Uganda where I was frequently consulted by colleagues on Internal Medicine and Cardiology. My wife graduated from medical school in June, 1963 and, upon completing the training, joined me in my practice in June, 1964. In five months, she took charge of my general practice relieving me to concentrate on ever-demanding consultation. In the under-developed countries, the ultra-specialization has not advanced to the extent of the western world; hence, I was consulted on the Internal Medicine as well as cardiology. At times, the spectrum of consultation widened beyond this scope, in the absence of other trained professionals.



Curriculum Vitae  
Arvind Patel, M.D.

Internal Medicine/Cardiology Consultant (continued)

From early 1964, I was attached to the Jinja Hospital as Honorary Consulting Cardiologist. Through this period, I continued with all the other activities of Lion's Club, continuing education community clinic, etc. I was also appointed as the Chief Medical Officer of the Nyanza Textile Industries, Ltd., the industry employing over 4,000 workers.

E.C.F.M.G. Examination

9/1971

As the neighboring city of Kampala was the center for this exam, I took and passed this exam. for an academic interest, little realizing that the fate will make it a boon.

Standing in Great Britain

Exempted from clinical attachment and graded as:

"Registrar in Medicine"

(Equivalent to 3rd year residency of U.S.A.)

For an appointment in the United Kingdom Hospital Service.

Family Practice in London, England:

8/1973 thru 11/1974

U.S.A. Training:

Three years of residency training in Anesthesiology at Mount Sinai Hospital of the City University of New York. (Rotation through all major specialties, e.g. open heart, neurosurgery, and intensive care unit.)

FLEX Examination: Maryland State - June, 1975

Visa Status: Permanent Immigrant

Family: Wife - Physician, Two Children

Publications:

"Anesthesia for Excision of Functioning Islet Cell Tumors of the Pancreas",  
Anesthesiology Review, 30-33, October, 1976.

"Anesthesia for Hepatic Artery Ligation in a Patient with the Carcinoid Syndrome", Accepted for Publication, Anesthesiology.

Brit. J. Anaes. October 1977 923-924, Letter

Canad. Anaesth. Soc. J. Vol. 25, No. 3. "Anaesthesia for the Carcinoid Syndrome: A Report of Nine Cases\*" May, 1978. Published.

Curriculum Vitae  
Arvind Patel, M.D.

Publications: (continued)

"Anesthetic Management of a Case with Positive Muscle Biopsy For Malignant Hyperpyrexia". In Press. Mount Sinai Journal of Medicine.

Board Certification - Part I:

Experiences with Carcinoid Syndrome: Case Report of Ten Cases. Published.  
Vol. 47, No. 3, Page 303-305.

David Parker  
Microbiology Department

Annual Report Information

July 1, 1977 to June 30, 1978

1. None
2. a. National Institute of Allergy and Infectious Diseases.  
"Activation of Mouse B Cells by Insoluble Anti Ig"  
  
b. Coordinator on a BRSG grant to buy and install a cobalt irradiator  
for cells and small animals.
3. Steering Committee, New England Immunology Conference.  
Seminar at Harvard Medical School, 3/78.



CURRICULUM VITAE

Vinubhai C. Patel, M.D.

BORN: June 20, 1944, Uganda, East Africa

MARRIED: One child

HOME ADDRESS: 69 Glen Meadow Road, Franklin, Massachusetts 02038

BUSINESS ADDRESS: Pondville Hospital Box 111, P.O. Walpole, Massachusetts 02081

EDUCATION: Makerere Medical School, Uganda, East Africa, 1965 - 1970

Rotating Intern, Uganda, East Africa, 1970 - 1971

Rotating Intern, Mt. Sinai Hospital, Miami Beach, Florida, 1971 - 1972

Internal Medicine, Beekman Downtown Hospital, New York, 1972 - 1973

Radiation Oncologist Resident, St Vincent's Hospital and

Medical Center of New York 1973 - 1976

CERTIFIED AMERICAN BOARD OF RADIOLOGY - June 1976

U.S.American Citizen -

LICENSES: Massachusetts

New York State

HOSPITAL APPOINTMENTS:

Staff Radiotherapist, Pondville Hospital, July 1976 to present

Instructor, Radiation Therapy, Boston University School of Medicine,  
July 1976 to present.

Tumor Board, Milford Hospital, Milford, Massachusetts

Tumor Board, Norwood Hospital, Norwood, Massachusetts

Infections Committee, Pondville Hospital

Human Studies Committee, Pondville Hospital

ASSOCIATIONS AND SOCIETIES:

American Society of Therapeutic Radiology

Daland Society Pondville Hospital



CURRICULUM VITAE

Vinubhai C. Patel M.D.

Page 2

PUBLICATIONS: Meyer, J.E., Patel, V. Messer, R.; Diagnosis and Treatment of Obstructive Jaundice Secondary to Liver Metastases. CANCER 41, 773-75, February 1978

IN PREPARATION:

- (1) A Case Report on Malignant Fibrous Histiocytoma.
- (2) Review Results of Carcinoma of the Cervix Management at Pondville.





CURRICULUM VITAE  
of  
LIBERTO PECHET, M. D.

BORN: July 6, 1926, Braila, Rumania.

1944-1949 University of Bucharest, School of Medicine,  
Bucharest, Rumania.

1950-1951 Hebrew University, Hadassah Medical School,  
Jerusalem, Israel.

1952 M.D. - Hebrew University, Hadassah Medical School.

1951-1952 Intern (Rotating) Hadassah Hospital, Jerusalem, Israel.

1952-1953 Civil Service, Ministry of Health, Israel.

1953-1954 Military Service, Physician, Israeli Defense Army.

1954-1956 Resident, Fourth Medical Department, Beilinson Hospital,  
Petah Tiqua, Israel. (Head: Dr. Andre de Vries,  
Professor of Medicine, Tel Aviv University Medical School.)

1/57-5/57 Assistant, Fourth Medical Department, Beilinson Hospital,  
Petah Tiqua, Israel.

1957-1959 Research Fellow in Medicine, Harvard Medical School,  
Boston, Massachusetts.

1957-1960 Research Fellow in Medicine, Beth Israel Hospital,  
Boston, Massachusetts.

1959-1961 Instructor in Medicine, Harvard Medical School,  
Boston, Massachusetts.

1960-1961 Chief Resident in Medicine, Beth Israel Hospital,  
Boston, Massachusetts. Dr. H. L. Blumgart, Physician-in-Chief.

1961-1966 Associate in Medicine, Harvard Medical School, Boston,  
Massachusetts.

1961-1965 Associate in Medicine, Beth Israel Hospital, Boston, Mass.

1965-1966 Assistant Visiting Physician, Department of Medicine,  
Beth Israel Hospital, Boston, Massachusetts.



## Curriculum Vitae - Liberto Pechet, M.D.

1966-1969	Assistant Professor of Pathology, University of Colorado, School of Medicine, Denver, Colorado.
1966-1968	Attending Physician in Pathology (Hematology), Veterans Administration Hospital, Denver, Colorado.
1967-1969	Assistant Professor of Medicine, University of Colorado, School of Medicine, Denver, Colorado.
1968-1969	Assistant Chief Laboratory Service, Veterans Administration Hospital, Denver, Colorado.
1969-1970	Assistant Chief for Hematology, Laboratory Service, Veterans Administration Hospital, Boston, Massachusetts.
1969-1973	Associate Professor of Medicine and Pathology, Boston, University School of Medicine.
1970-1976	Director of the Coagulation Laboratory and Junior Visiting Physician, Department of Medicine, St. Vincent's Hospital, Worcester, Massachusetts.
1970-1974	Associate Professor of Pathology, University of Massachusetts Medical School, Worcester, Massachusetts.
1971-1974	Associate Professor of Medicine, University of Massachusetts Medical School, Worcester, Massachusetts.
1974-	Professor of Medicine and Pathology, University of Massachusetts Medical School, Worcester, Massachusetts.
1974-	Chairman, Department of Hematology, Division of Medicine, University of Massachusetts Medical School, Worcester, Massachusetts.
1960	E.C.F.M.G. Examination.
1962	Massachusetts State Board Examination.
1966	Eligible, American Board of Internal Medicine.
1967	Naturalized U.S. Citizen.
1971	Certified, American Board of Clinical Pathology for Hematology.



Curriculum Vitae - Liberto Pechet, M.D.

CONSULTANT STAFF: Boston Veterans Administration Hospital, Boston,  
Massachusetts.  
Hahnemann Hospital, Worcester, Massachusetts.  
Holden District Hospital, Inc., Holden, Massachusetts.  
The Memorial Hospital, Worcester, Massachusetts.  
Norwood Hospital, Norwood, Massachusetts.  
Pondville Hospital, Walpole, Massachusetts.

MEMBERSHIP: Federation of American Societies of Experimental  
Biology, 1962.  
Massachusetts Medical Society, 1962.  
American Society of Hematology, 1964.  
International Society of Hematology, 1964.  
American Federation for Clinical Research, 1964.  
International Society on Thrombosis and Hemostasis, 1970.  
Member, American College of Physicians, 1971.  
Fellow, American College of Physicians, 1973.  
Member, Massachusetts Society of Internal Medicine  
American Society of Internal Medicine





BIBLIOGRAPHY  
OF  
LIBERTO PECHET, M.D.

1. Pechet, L.: A review of modern drugs in the treatment of essential hypertension. Doctoral Thesis, Jerusalem 1952.
2. de Vries, A., and Pechet, L.: Iron deficiency anemia - Review, Harefuah 50:153, 1956.
3. de Vries, A., Pechet, L., and Breaur, M.: Clinical problems of hemolysis, Harefuah 50:266, 1956.
4. Breaur, M., de Vries, A., Pechet, L., and Matot, M.: Une anomalie electrophoretique de l'hémoglobine, non decrite jusqu'i ci, dans differents desordres hemolitiques, Le Sang 323:28, 1957.
5. Pechet, L., de Vries, A., and Niessimov, N.: Long term treatment of bronchial asthma by steroids and promotion of psychological security, Harefuah 144:3, 1957.
6. Pechet, L., Doumarshkin, R., Ihoshua, H., Casper, J., and de Vries, A.: Leuko-erythroblastic anemia in a case of silent carcinoma of the stomach, Israel Medical Journal 17:225, 1958.
7. de Vries, A., Pechet, L., and Ihoshua, H.: Leukemia and agranulocytosis in a member of a family with hereditary leukopenia, Acta Medica Orientalia 17:26, 1958.
8. Pechet, L., Alexander, B., and Tishkoff, G. H.: Studies on the activation of purified prothrombin. XIII Conference of Blood Cells and Plasma Proteins. Vox Sanguinis, Separatum, Vol. IV, No. 1, p. 89, 1959.
9. Tishkoff, G. H., Pechet, L., and Alexander, B.: Some biochemical and electrophoretic studies on purified prothrombin, Factor VII (Proconvertin) and Factor X (Stuart), Blood 15:778, 1960.
10. Pechet, L., Alexander, B., and Tishkoff, G. H.: Separation, interaction and properties of clotting compounds essential for prothrombin activation, Thromb. et Diath. Haemorrh. 4 Suppl., 47, 1960.
11. Pechet, L., and Alexander, B.: Increased clotting factors in pregnancy, N.E.J.M. 265-1093, 1961.
12. Pechet, L., and Levitan, R.: Modern concepts on the clotting and fibrinolytic mechanism, Harefuah 59:367, 1961.
13. Weintraub, R., Pechet, L., and Alexander, B.: Rapid diagnosis of drug induced thrombocytopenic purpura: Report of three cases due to quinine, quinidine, and dilantin, J.A.M.A. 180:130, 1962.



## Bibliography of Liberto Pechet, M.D.

14. Alexander, B., and Pechet, L.: Proteolytic and physiologic activation of some clotting components: Pathologic significance. Proceedings of the Eighth Congress of the European Society of Hematology, Wien, 1961. S. Karger, p. 404, 1962.
15. Alexander, B., Pechet, L., and Kliman, A.: Proteolysis, fibrinolysis, and coagulation: Significance in thrombolytic therapy, Circulation 26:596, 1962.
16. Pechet, L., and Alexander, B.: The effect of some proteolytic enzymes on the thrombin-fibrinogen interaction, Biochemistry 1:875, 1962.
17. Pechet, L., Alexander, B.: Some considerations of the fibrinogen-fibrin conversion relevant to afibrinogenemia, Proc. IX Congress of the European Society of Haematology, Lisbon. (S. Karger, Basel/New York, 1963) pp. 1260.
18. Kroll, A., Alexander, B., Cochios, F., and Pechet, L.: Hereditary deficiencies of clotting factors VII and X, associated with carotid body tumors, N.E.J.M. 270:6, 1964.
19. Pechet, L., and Kastrul, J.J.: Amyloidosis associated with Factor X (Stuart) deficiency, Case Report, Ann. Int. Med. 61:315, 1964.
20. Pechet, L.: One stage specific determination of Factor II (Prothrombin). In "Blood Coagulation, Hemorrhage and Thrombosis," edited by L. M. Tocantins and L. A. Kazal, Grune and Stratton Publishers, New York, p. 144, 1964.
21. Pechet, L.: Determinations of Factor VII (Proconvertin). In "Blood Coagulation, Hemorrhage and Thrombosis," edited by L. M. Tocantins and L. A. Kazal, Grune and Stratton Publishers, New York p. 213, 1964.
22. Engel, A., Pechet, L., and Alexander, B.: The activation of trypsinogen and plasminogen by thrombin, Sangre 9:93, 1964.
23. Goldstein, C., and Pechet, L.: Pure red cell aplasia following pernicious anemia, Blood 25:31, 1965.
24. Pechet, L.: Fibrinolysis - Medical Progress, N.E.J.M. 273:966 and 1024, 1965.
25. Pechet, L., and Glaser, B.: Problems of the surgical hemophiliac, Anesthesiology 27:399, 1966.
26. Pechet, L., Goldstein, C., Cochios, F., and Deykin, D.: A previously undescribed hereditary clotting abnormality, in "Diffuse Intravascular Clotting," p. 269 F. K. Schattauer, Stuttgart, 1966.
27. Engel, A., Alexander, B., and Pechet, L.: Activation of trypsinogen and Plasminogen by thrombin preparations, Biochemistry 5:1543, 1966.



## Bibliography of Liberto Pechet, M.D.

28. Goldstein, C., Pechet, L., and Alexander, B.: Three hour prothrombin consumption test in siliconed glass. Diagnostic value in first phase coagulation defects, *Am. J. Clin. Path.* 46:45, 1966.
29. MacDonald, R. A., Friend, D. S., Pechet, G. S., Pechet, L., and Applebaum, G.: Experimental Hemochromatosis, in "Methods and Achievements in Experimental Pathology," Vol. 2, p. 113, edited by E. Bajusz and G. Jasmin, S. Karger Publishers, Basel/New York, 1967.
30. Pechet, L., Cochios, F., and Deykin, D.: Further studies on the "Dynea" clotting abnormality. *Thromb. Diath. Haemorrh.* 17:365, 1967.
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32. Genton, E., and Pechet, L.: Thrombolytic therapy - Perspective. Editorial. *Annals Int. Med.* Sept. 1968.
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34. Bennet, J. M., Yu, D., Suyemoto, Y., Pechet, L.: The effects of infusing thrombin and its acetylated derivative. II. Observation on intravascular hemolysis and pathologic correlations. *Thromb. Diath. Haemorrh.* 20:469, 1968.
35. Groth, C. G., Pechet, L., Starzl, T. E.: Coagulation during and after orthotopic transplantation of human liver. *Arch. Surgery.* 98:31, 1969.
36. Pechet, L., Groth, C. G., and DeLoze, P.N.: Changes in coagulation and fibrinolysis after orthotopic canine liver transplantation. *J. Lab. and Clin. Med.*, 73:91, 1969.
37. Pechet, L., Pechet, G. S., MacDonald, R. A.: Reticuloendothelial function and blood coagulation in rats. *Thromb. Diath. Haemorrh.* 22:508, 1969.
38. Currin, D. R., and Pechet, L.: Discriminant analysis on coagulation and fibrinolytic data obtained during liver homotransplantation. *Thromb. Diath. Haemorrh.* 22:411, 1969.
39. Kelly, G. L., Pechet, L., and Eiseman, B.: Production of Antihemophilic Factor by the Perfused spleen. *Surgical Forum*, 20:82, 1969.
40. Pechet, L., and Smith, J. A.: The Separation of Clotting Factors II (Prothrombin) and IX (P.T.C.) by Isoelectric Focusing. *Biochimica. et Biophysica Acta*, 200:475, 1970.
41. Kelly, G. L., Pechet, L., and Eiseman, B.: Antihemophilic globulin synthesis by the isolated perfused spleen. *Surgery, Gynecology, Obstetrics*, 131:473, 1970.





## Bibliography of Liberto Pechet, M.D.

42. Pechet, L., and Colman, R.W.: Hemorrhagic diseases due to consumption coagulopathy, pathologic fibrinolysis and circulating anticoagulants, in "Current Diagnosis", H.F. Conn and R.B. Conn, Jr., editors, 3rd edition, 1971.
43. Pechet, L., and Genton, E.: "Fibrinolysis" in Hematology-Principles and Practice, Ch. E. Mengel, editor, 1972.
44. Chandra, S., Pechet, L.: The separation of clotting factors. II. Purification of human factor IX (PTC) by isoelectric focusing. Biochem. Biophys. Acta 328:456, 1973.
45. Chesney, C., Colman, R.W., Pechet, L.: A syndrome of platelet release abnormality and mild hemophilia. Blood 43:821, 1974.
46. Pechet, L., Snyder, L. M., Chesney, C., Colman, R. W.: Hemostatic defect due to acquired circulating inhibitor against lipid procoagulant and factor VIII. Thrombosis et Diathesis Haemorrhagica 32:90, 1974.
47. Pechet, L., Levine, P.H.: Hemorrhagic diseases due to disseminated intravascular coagulation, accelerated fibrinolysis and circulating anticoagulants, in "Current Diagnosis", H.F. Conn and R. B. Conn, Jr., editors, 5th edition, 1977.
48. Leon, R., Tiarks, C.Y., Pechet, L.: Some observations on the in vivo effect of propranolol on platelet aggregation and release. (Accepted for publication). American Journal of Hematology
49. Pechet, L., Tiarks, C.Y., Esposito, B.A.: The effect of trypsin and storage on aggregation and release of human gel-filtered platelets. (In Press) Haemostasis
50. Pechet, L., Tiarks, C.Y., Chang, G.H., Sudhindra, R., Lipworth, L.: Characterization and experimental use of a monospecific antiserum to factor IX. (In Press) Thrombosis and Haemostasis
51. Pechet, L., Tiarks, C.Y., Stevens, J., Sudhindra, R., Lipworth, L.: Relationship of factor IX antigen and coagulant in hemophilia B patients and carriers. (In Press) Thrombosis and Haemostasis
52. Ansell, J., Beaser, R., Pechet, L.: Thrombotic thrombocytopenic purpura: Failure of fresh frozen plasma infusion. Annals of Internal Medicine (In Press)





## ABSTRACTS AND LETTERS TO EDITORS

1. Alexander, B., and Pechet, L.: Conversion of prothrombin to thrombin by proteolytic enzymes, Fed. Proc. 17:179, 1958.
2. Pechet, L., Tishkoff, G. H., and Alexander, B.: Further studies on the activation of purified prothrombin, Clin. Res. 7:15, 1959.
3. Pechet, L., Alexander, B., and Tishkoff, G. H.: Electrophoretic separation and interaction of clotting components essential for prothrombin activation, Fed. Proc. 18:300, 1959.
4. Pechet, L., and Alexander, B.: Activation of prothrombin, Factors VII and X by proteolytic pathway, Fed. Proc. 19:64, 1960.
5. Pechet, L.: Elevated Factors VII and X in pregnancy, A "Hypercoagulable state," J. Clin. Invest. 39:1015, 1960.
6. Pechet, L., and Alexander, B.: Proteolytic, thrombolastic, and other interactions in activation of Factors II (Prothrombin) V, VII, X, Fed. Proc. 20:57, 1961.
7. Pechet, L., and Alexander, B.: The effect of some proteolytic enzymes on the thrombin-fibrinogen interaction, Fed. Proc. 21:59, 1962.
8. Pechet, L., and Alexander, B.: The effect of certain proteases on the thrombin-fibrinogen interaction. IX Congress of the International Society of Hematology, Mexico City, Sept. 1962.
9. Engel, A., Pechet, L., and Alexander, B.: The activation of trypsinogen and plasminogen by thrombin, Fed. Proc. 22:561, 1963.
10. Goldstein, C., Engel, A., and Pechet, L.: The in vitro effect of esterase thrombin. X Congress of the International Society of Haematology, Stockholm, 1964.
11. Pechet, L., Goldstein, C., and Deykin, D.: A hitherto undescribed hereditary familial clotting defect. VII congress of the American Society of Hematology, Seattle, Washington, November, 1964. Blood 24:854, 1964.
12. Engel, A., Alexander, B., and Pechet, L.: Preparation, properties and activation of insoluble prothrombin and trypsinogen, Fed. Proc. 25:512, 1966.
13. Pechet, L., Groth, C. G., Daloze, P. N.: Changes in Coagulation and Fibrinolysis after orthotopic canine liver transplantation. Fed. Proc. 27:570, 1968.
14. Groth, C. G., Pechet, L., Starzl, T. E.: Coagulation and Fibrinolysis in human orthotopic liver homotransplantation. XII Congress, International Society Hematology. New York, N. Y., 1968.



15. Currin, D.R., Pechet, L.: The use of multivariate analysis on coagulation and fibrinolytic data obtained during liver homo-transplantation.
16. Pechet, L., Pechet, G.S., MacDonald, R.A.: Blood coagulation and reticuloendothelial (RES) clearance in rats. Fed. Proc. 28: 442, 1969.
17. Pechet, L., Smith, J.A.: The use of electrofocusing for separating clotting factors. Fed. Proc. 28:828, 1969.
18. Pechet, L., King, A.B., Pechet, G.S.: Effect of intravenous marihuana on coagulation and on platelet and white cell count. Fed. Proc. 29:441, 1970.
19. King, A.B., Pechet, G.S., Pechet, L.: Intravenous injection of crude marihuana. JAMA 214:1711, 1970 (Letter to Editor).
20. Chesney, C., Pechet, L., Colman, R.: Pseudo von Willebrand's Disease. Clinical Research 20:482, 1972.
21. Lock, J.P., Castro, G.A.M., Pechet, L., Snyder, M.L.: Hemodialysis in Myelomatosis. Annals of Internal Medicine 78:3, 1973 (Letter to Editor).
22. Pechet, L., Chesney, C., Colman, Robert W.: Variants of von Willebrand's Disease. N.E.J.M. 288, 1129, 1973 (Letter to Editor).
23. Castro, G.A.M., Church, A., Pechet, L., Snyder, L.M.: Leukemia after Chemotherapy of Holgkin's disease. N.E.J.M. 289, 103, 1973 (Letter to Editor).
24. Chandra, S., Pechet, L.: Proteolytic Activation of Purified Human Factor IX. Fed. Proc. 33:226, 1974.
25. Chandra, S., Pechet, L.: Purification and Activation of Human Factor IX. Clinical Research, 22: 385A, 1974.
26. Pechet, L., Chandra, S.: The Enzymatic Activation of Purified Human Factor IX. XV Congress International Society of Hematology, Jerusalem, 1974, p.306.
27. Katayama, I., Pechet, L.: Classification of Non-Hodgkin's Lymphomas (Letter to the Editor) The Lancet II: 1211, 1974.
28. Katayama, I., Pechet, L.: Hairy Cells (Letter to the Editor) The Lancet I:975, 1975.
29. Pechet, L., Esposito, B.A., Tiarks, C.: Effect of Trypsin of Platelet Aggregation and Release. Eighteenth Annual Meeting of American Society of Hematology, Dallas, Texas, 1975, p.204 (#467).
30. Esposito, B.A., Tiarks, C., Pechet, L.: Studies of Aggregation and Serotonin Release of Gel-Filtered Platelets. American Federation for Clinical Research, Eastern Section, January, 1976, pg.581A.



31. Pechet, L., Tiarks, C., Esposito, B.A.: Trypsin-induced aggregation and release in normal and abnormal gel-filtered platelets (GFP). Federation of American Societies for Experimental Biology 35:411, 1976.
32. Tiarks, C.Y., Chang, C-H., Pechet, L.: Development of monospecific antibodies to human factor IX. Thrombosis and Haemostasis 38:217, 1977.
33. Joris, I., Braumstein, P., Pechet, L., Majno, G.: Role of platelets in wound healing. A study in the rat. Federation Proceedings 37:#3, March 1978.
34. Pechet, L., Tiarks, C.Y., Stevens, J., Sudhindra, R., and Lipworth, L.: Relationship of factor IX antigen and coagulant in hemophilia B patients and carriers. XVII Congress of the International Society of Hematology, Paris, France, July, 1978.
35. Katayama, I., Pechet, L. and Finkel, H.E.: Overdiagnoses of hairy cell leukemia. XVII Congress of the International Society of Hematology, Paris, France, July, 1978.





CURRICULUM VITAE

Danna B. Peterson, M.B., Ch.B.

<u>Address:</u> (Home)	(Office)
Shrewsbury Commons	The Department of Anaesthesia
60 Common Drive	University of Massachusetts Medical Center
Apartment #411	55 Lake Avenue North
Shrewsbury, Massachusetts 01545	Worcester, Massachusetts 01605

<u>Telephone:</u> (Home)	(Office)
(617) 842-0494	(617) 856-3271 .

Date and Place of Birth:  
March 18, 1943  
New York City, New York

Marital Status:  
Single

Social Security Number:  
013-40-4780

Medical School:  
University of Edinburgh, M.B., Ch.B., 1967  
Scotland

Internship:  
Roodlands General Hospital, 4/1/68 through 9/30/68  
Intern in Medicine  
Haddington, Scotland  
Dunfermline - W. Fife Hospital, 10/1/68 through 3/31/69  
Intern in Surgery  
Dunfermline, Scotland

Residency in Anesthesia:  
Royal Infirmary, 4/69-4/70  
Edinburgh, Scotland  
University Hospital, 5/70-8/72  
Seattle, Washington  
University of California, 9/72-1/73  
Intensive Care Unit  
San Francisco, California  
Children's Hospital Medical Center, 2/73-4/73  
Boston, Massachusetts  
Peter Bent Brigham Hospital, 9/73-10/73  
Boston, Massachusetts

Licensure:  
District of Columbia #6813, 1974  
Washington State #252-09 0013630

Specialty:  
Anesthesiology

CURRICULUM VITAE

Danna B. Peterson, M.B., Ch.B.

-2-

July 1978

Specialty Board:

Diplomate, American Board of Anesthesiology - September 1975-#7461  
Fellow, American College of Anesthesiologists - February 1976-#7007

Appointments:

Senior Registrar in Anesthesia  
University Hospital of the West Indies, 1/74-12/74  
Kingston, Jamaica  
West Indies

Assistant Professor of Anesthesiology  
The George Washington University Medical Center, 2/75-7/78  
Washington, D.C.

Assistant Professor  
Department of Anaesthesia  
University of Massachusetts Medical Center, 7/78-present  
55 Lake Avenue North  
Worcester, Massachusetts

Membership in Medical Societies:

The American Society of Anesthesiologists  
District of Columbia Medical Society  
Maryland-District of Columbia Society of Anesthesiologists  
American Medical Association

## C U R R I C U L U M   V I T A E

Name Vassilios Dimitrios Raptopoulos

Address 120 Pleasant Street  
Framingham, Mass. 01701

Date of Birth January 1, 1944

### Professional Education

#### College and Graduate:

1961 - 1968     Aristotelion University  
Medical Faculty  
Thessaloniki, Greece

*notations are addition*

*during 77-78*

#### Post Graduate Training:

1969 - 1970     424 General Military Hospital  
Thessaloniki, Greece  
Medical Resident

1971 - 1972     New York Polyclinic Medical School  
and Health Center  
New York, New York  
Intern (major in internal medicine)

1972 - 1973     Maimonides Medical Center  
Brooklyn, New York  
Medical Resident

#### Diagnostic Radiology Residency:

1973 - 1976     Georgetown University Hospital  
Washington, D.C.  
Special Training in Special Procedures  
(Neuroradiology, General Angiography,  
Lymphangiography), Nuclear Medicine,  
Ultrasonography.

#### Special Training in Computed Tomography:

1976 - 1977     Georgetown University Hospital  
Washington, D.C.



## CURRICULUM VITAE

Vassilios D. Raptopoulos

### Organized Teaching

1976 - 1977 Georgetown University, Washington, D.C.

1. Preparation and presentation of the Computed Tomography section of the Neuroradiology Conference for Radiology, Neurosurgery and Neurology Departments; weekly.
2. One hour lecture to medical students in rotation through Radiology on Computed Tomography; once every two weeks.
3. One hour lecture/conference on Computed Tomography for Radiology residents and medical students; once every third week.
4. Preparation and presentation of Computed Tomography section of Pediatric tumor conference; once every five weeks.
5. Lectures on Computed Tomography to Departments of Medicine, Surgery and Pediatrics; upon their request.

- 10/31/77 Worcester State Hospital. Introduction to Computed Tomography.
- 11/2/77 University of Massachusetts Medical Center - Radiological Grand Rounds: Computed Tomography for the General Practitioner
- 11/4/77 University of Massachusetts Medical School; Third Year Students on Surgical Rotation: Radiographic Evaluation of Fractures.  
Repeated on 1/6/78 and on 4/8/78.
- 11/17/77 University of Massachusetts Medical School; Third Year Medical Students on Medical Clerkship: Radiography of Metabolic Bone and Joint Disease.  
Repeated on 6/1/78.
- 1/20/78 University of Massachusetts Medical School; Third year students on Surgical Clerkship: Radiographic Evaluation of Patients with Hematuria and Hypertention. Repeated on 5/12/78.
- 1/26/78 University of Massachusetts Medical School. Department of Anatomy; First year Medical Students: Radiographic Anatomy of the Head and the Neck.
- 5/18/78 University of Massachusetts Medical School; Third year Students on Medical Clerkship: Introduction to the Radiography of the Genito-Urinary System. Part I.
- 5/25/78 Ibid: Introduction to the Radiography of the Genito-Urinary System. Part II.
- 5/25/78 University of Massachusetts Medical School. Department of Anatomy; First year Medical Students: Radiographic Anatomy of the Genito-Urinary System.



CURRICULUM VITAE

Vassilios D. Raptopoulos

Degrees and Boards

Medical Degree	ARISTOTELION University, Thessaloniki, Greece	July 1968
ECFMG (Educational Council for Foreign Medical Graduates)		September 1970
FLEX	District of Columbia	December 1973
American Board of Radiology		June 1976

Licensed to Practice Medicine in the District of Columbia,  
Maryland, Virginia and Massachusetts

Professional Societies    Active Member AMA  
New England Roentgen Ray Society

Academic Appointments

1976 - 1977	Instructor Department of Radiology Georgetown University Washington, D.C.
1977 -	Assistant Professor Department of Radiology University of Massachusetts Worcester, Massachusetts

Hospital Appointments

1976 - 1977	Assistant Clinical Director Computed Tomography Diagnostic Laboratory Georgetown University Hospital Washington, D.C.
	Department of Radiology Georgetown University Hospital Washington, D.C.
	Consultant, Department of Radiology VA Hospital, Washington, D.C.
1977 - present	Department of Radiology University of Massachusetts Medical Center
	Consultant, Department of Radiology VA Out-Patient Clinic, Worcester, Massachusetts





CURRICULUM VITAE

Vassilios D. Raptopoulos

Publications

Angelidis S., Raptopoulos V.D., Ambatzi K.: Prostaglandins: A Brief Introduction in the Physiology and Pharmacology of a New Group of Drugs. Iatriki Epitheotisis Enoplon Dynameon. 6:515-520, 1972.

Huang H.K., Chamberlin K., Schellinger D., Raptopoulos V., and Garnic J.D.: A Subtraction Technique Comparing Pre- and Post-Contrast Medium Enhancement CT Scans. Computerized Tomography 1:267-271, 1977.

Schellinger D., Raptopoulos V.: Computed Tomography of the Spine and Craniocervical Junction. Journal of Computer Assisted Tomography 1:270, 1977 (abstract).

Leussenhop A.J., Schellinger D., Raptopoulos V.: Efficiency of Computed Tomography in Diagnosis of Cerebral Arteriovenous Malformations. Journal of Computer Assisted Tomography 1:274, 1977 (abstract).

Huang H.K., Chamberlin K., Raptopoulos V., Schellinger D.: Subtraction Images Pre- and Post-Contrast Medium Enhancement Body CT Scans. Journal of Computer Assisted Tomography 1:362, 1977 (abstract).

Schellinger D., Raptopoulos V., Katz S., White A.: The Diagnostic Dilemma of Extensive Pleural Effusion. A CT Approach. Journal of Computer Assisted Tomography 1:363, 1977 (abstract).

Raptopoulos V., Schellinger D., Katz S.: Evaluation of Solitary Pulmonary Nodules with Computed Tomography. Journal of Computer Assisted Tomography 1:364, 1977 (abstract).

O'Doherty D.S., Schellinger D., Raptopoulos V.: Computed Tomographic Patterns of Pseudohypertrophic Muscular Dystrophy: Preliminary Results. Journal of Computer Assisted Tomography 1:482-486, 1977.

Raptopoulos V., Schellinger D., Katz S.: Computed Tomography of Solitary Pulmonary Nodules: Experience with Scanning Times Longer than Breath-holding. Journal of Computer Assisted Tomography 2:55-60, 1978.



CURRICULUM VITAE

Vassilios D. Raptopoulos

Research Projects

Ultrasound evaluation of the obstructed canine biliary tree.

Ultrasound Evaluation of renal pelvic lipomatosis.

Ultrasound evaluation of ascitis.



CURRICULUM VITAE

Vassilios D. Raptopoulos

Papers Submitted for Publication

Raptopoulos V., Schellinger D. : Imaging of the Pancreas with  
Computed Tomography. Computerized Tomography





CURRICULUM VITAE

Vassilios D. Raptopoulos

Scientific Exhibits

Schellinger D., Raptopoulos V.: Efficiency of Computed Tomography in the Evaluation of Lung Pathology.

77th Annual Meeting of the American Roentgen Ray Society. Washington, D.C., September 21-24, 1976.  
Annual Scientific Assembly of the Medical Society of the District of Columbia. White Sulfur Springs, W.V., Oct 24-26, 1977. 62nd Annual Meeting of the Radiological Society of North America. Chicago, Ill. November 14-19, 1976. Annual Meeting of the American Thoracic Society. San Francisco, Cal., May 15-18, 1977.



Papers Presented

Schellinger D., Raptopoulos V. : Computed Tomography of the Cranio-Cervical Junction and Spine. International Symposium on Computer Assisted Tomography in Nontumoral Diseases of the Brain, Spinal Cord and Eye. Bethesda, Md., Oct 11-15, 1976.

Luessenhop A.J., Schellinger D., Raptopoulos V. : Efficiency of Computed Tomography in Diagnosis of Cerebral Arterio-Venous Malformations. International Symposium on Computer Assisted Tomography in Nontumoral Diseases of the Brain, Spinal Cord and Eye. Bethesda, Md., Oct 11-15, 1976.

Huang H.K., Chamberlin K., Schellinger D., Raptopoulos V. Garnic J.D.: A Subtraction Technique Comparing Pre- and Post-Contrast Medium Enhancement CT Scans. 62nd Annual Meeting of the Radiological Society of North America. Chicago, Ill., Nov. 14-19, 1976.

O'Doherty D.S., Schellinger D., Raptopoulos V. : CT Patterns of Pseudohypertrophic Muscular Dystrophy (PHMD): Preliminary Results. 15th Annual Meeting of the American Society of Neuroradiology. Hamilton, Bermuda, March 27-31, 1977.

Raptopoulos V., Schellinger D., Katz S. : Evaluation of Solitary Pulmonary Nodules with Computed Tomography. International Symposium and Course on Computed Tomography. Miami Beach, Fla. April 3-8, 1977.

Schellinger D., Raptopoulos V., Katz S., White A. : The Diagnostic Dilemma of Extensive Pleural Effusion. A CT Approach. International Symposium and Course on Computed Tomography. Miami Beach, Fla. April 3-8, 1977.

Huang H.K., Chamberlin K., Raptopoulos V., Schellinger D. : Subtraction Images Pre- and Post-Contrast Medium Enhancement Body CT Scans. International Symposium and Course on Computed Tomography. Miami Beach, Fla. April 3-8, 1977.



CURRICULUM VITAE

Vassilios D. Raptopoulos

Papers Presented (Continued)

Raptopoulos V., Schellinger D. : Imaging of the Pancreas by Computed Tomography. Computerized Tomography Seminar on Whole Body Non-Neurological C.T. Studies. Washington, D.C., April 16, 1977.

Lavenstein B., Delaney P., Schellinger D., McCullough D., Raptopoulos V. : Computerized Axial Tomography in Congenital CNS Malformations. Annual Meeting of the American Academy of Neurology. Atlanta, Ga., April 25-30, 1977.



## CURRICULUM VITAE

NAME: Rosenthal, Perihan Aral, M.D.

TITLE: Senior Child Psychiatrist, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, Mass. 01605

BORN: January 15, 1933, Avanos, Turkey

Married with two children

EDUCATION: B.S., University of Ankara, 1951 - 1952  
M.D., University of Ankara, School of Medicine, 1952 - 1957

EXPERIENCE: August, 1957 - August, 1958 - Rotating Internship at Grace Hospital, Detroit, Michigan  
August, 1958 - July, 1960 - Psychiatry Residency and Instructor of Psychiatry, Albany Medical Center, Albany, New York  
July, 1960 - June, 1961 - Child Psychiatry Trainee, Creedmore State Hospital, Queens Village, New York  
June, 1961 - July, 1963 - Psychiatrist at Children's Unit of Central Islip State Hospital, Central Islip, New York  
February, 1964 - June, 1965 - Part-time Child Psychiatrist, Jamaica Clinic, Long Island, New York  
July, 1965 - June, 1967 - Fellow in Child Psychiatry and Instructor of Child Psychiatry at University Hospital, 700 Harrison Avenue and Boston City Hospital, Boston, Massachusetts  
September, 1967 - July, 1972 - Senior Psychiatrist at Roxbury Court Clinic, half-time, and involved with teaching the Social Work Students, Supervisor to University Hospital Child Psychiatry Fellows - Family - Individual - Group Therapy - Evaluation of Juvenile Offenders for the Court  
September, 1967 - July, 1972 - half-time, Staff Child Psychiatrist at Mystic Valley Mental Health Center, Involved with Individual - Family - Group Therapy - School Consultation - Supervisor to Medical Students and Social Workers. Directing Outpatient Department for Children at Choate Hospital  
July, 1972 - October, 1976 - Director of Choate Unit of Woburn and Burlington Branch of Mystic Valley Mental Health Center, Lexington, Mass.  
January, 1977 - September, 1977 - Chief of Child Psychiatry, Tricity Mental Health Center, Malden, Mass.  
October, 1977 - Present - Chief of Child Psychiatry, University of Massachusetts Medical Center, Worcester, Mass.





APPOINTMENTS & MEMBERSHIPS:

Associate Clinical Professor of Psychiatry at Tufts Medical School

Assistant Professor of Psychiatry at University of Massachusetts Medical School

Member of American Psychiatric Association

Member of New England Council of Child Psychiatry

Member of American Academy of Child Psychiatry

Member of Massachusetts Medical Society

Member of Orthopsychiatry

Member of Society for Research in Child Development

Board of Director of New England Council of Child Psychiatry 1978 - 1981

In the Steering Committee of The Clinical Application of Infant-Parent Research

LICENSE:

Commonwealth of Pennsylvania, 1970

Commonwealth of New Hampshire, 1971

Commonwealth of Massachusetts, 1975

PUBLICATIONS & PRESENTATIONS:

Publications:

"Family Therapy with Multi-Problem - Multi-Children Families in a Court Setting" in the Journal of American Academy of Child Psychiatry, Winter, 1974.

(In Press) "Conjoint Therapy with Parents and their pre-schoolers who lack impulse control" at the American Association of Psychiatric Services for Children on November, 1974 in New York.

(In process of publication) Carol Nadelson and all "Woman in Context" - Plenum Press, Woman and Institutions, Volume II, Section II.



In Process of Preparation for Publication:

Transcultural Child Rearing Practices in U.S.A.  
and Turkey

Short Term Family Therapy and Pathological Grief  
Resolution with Children

Holocaust Effect in the Third Generation - Child  
of Another Time

Presentations:

"Group Therapy with Latency Age Soilers"  
presented at the American Assoc. of Psychiatric  
Services for Children on November, 1973 in Chicago.

"Short Term Family Therapy and Pathological Grief  
Resolution with Children and Adults" presented at  
the American Association of Psychiatric Services for  
Children on November, 1975 in New York.

"Women Psychiatrists from Minority Foreign Cultural  
Backgrounds - their integration into American  
Psychiatry. A panel presented at the American  
Psychiatric Association in May, 1976.

"Preventive and Education Programs for pre-school  
Children and their Mothers" who are clinic patients  
in a Comprehensive Mental Health Center, presented  
at a Symposium on "Clinical Applications of Infant-  
Parent Research" on October 16, 1976 at Boston,  
Massachusetts.

Two panels presented at APA in Toronto on May, 1977.

- 1) Transcultural Marriage; Woman FMG; American  
Spouse, dual or dual career?
- 2) Transcultural aspects of Administrative  
Psychiatry.

"Early-Intervention and Forming self help groups in  
a Community Mental Health Center" in a Seminar in the  
development of parent and infant on October 29, 1977  
at Boston, Mass.



I will be presenting a paper on "Interdisciplinary Approach to the Identification of High Risk Infant and Young Children and Models of Intervention" in the Seminar in the Development of Infants and Parents, in Boston, on October 27, 1978.

"Parental Separation and Divorce: Grief of Preschool Children" at the American Association of Psychiatric Services for Children in Atlanta on November 10, 1978.

RESEARCH:

Effects of Swaddling in young infants.

Therapy Modalities for Encopretic Children and Their Parents.

Woman in Transition - Turkey and U.S.A.

Acting Out Adolescent Girls and Transitional Object.





Dr. Virender Sachdeva - Department of Pediatrics

1. Additions to Bibliography - NONE
2. List of current research grants, including sponsor and title - NONE
3. Professional Activities - Worked at Belchertown State School as a  
Primary Care Physician and in Pediatric  
Allergy Clinic at St. Vincent Hospital,  
Worcester.

Job Terminated as of 7/3/78.



*To Mr. Sullivan*  
UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE June 27, 1978

- Roger Bulger, M.D.  
Chancellor/Dean

FROM • Richard H. Saunders, Jr., M.D. *RB*  
SUBJECT • Annual Report for Academic '77-78

RECEIVED  
JUN 28 1978  
Chancellor and  
Dean's Office

No publications or sponsored research.

Professional activities included the following:

(1) Administrative

(July 1--September 30, 1977)

Director of Ambulatory Care Services for UMH

(2) Committees

(July 1--September 30, 1977)

Hospital Department Heads

Hospital Management Committee

Executive Committee of the Hospital

Hospital Finance Committee

Ambulatory Care and Emergency Services Committee (Chairman)

(For entire year)

Pharmacy and Therapeutics Committee

Gerontology Planning Project Advisory Committee

(3) Clinical

(July 1, 1977--January 31, 1978)

Preceptor, Adult Primary Care Clinic, 1/2 day per week

(February 1--June 30, 1978)

Geriatric Consultation Clinic, 1 afternoon per week

(March, 1978)

Visiting Rounds, Internal Medicine Service (in conjunction with Dr. Roger Hickler)



(4) Medical School Activities

- (a) Introduction to Patient Care--I  
Attended didactic presentations and led small group discussion 1/2 day per week throughout academic year; in addition, group instructor for 8 half-day sessions on Physical Diagnosis.
- (b) Introduction to Patient Care--II, Task Force  
This Task Force was charged with planning and making recommendations to the Educational Policy Committee regarding a continuation of IPC into the second year for academic '78-79.
- (c) Chairman, Task Force Subcommittee on Evaluation of Students: Admissions; Enrollment  
This Task Force held ten meetings and submitted its report in preparation for the accreditation visit for the fall of 1978.
- (d) Geriatric Seminars  
Conducted three seminars in geriatrics for students taking clinical clerkship in Family and Community Medicine.
- (e) Unit for the Study of Aging (October, 1977--June, 1978)  
Assisted Dr. Roger Hickler in the planning and development of this new Unit involving research, patient care, and curricular program in gerontology/geriatric medicine; in January of 1978, attended hearings of a special subcommittee of the Institute of Medicine concerned with the teaching of geriatrics, visited the National Institute on Aging and the offices of the Administration on Aging. Institutions and/or programs visited have included Rutland Heights Hospital, Cushing Hospital, Jewish Home for the Aged (Worcester), Visiting Nurse Association of Worcester, Lincoln Towers Housing for the Elderly, Lowell University, and Boston University. Assisted in planning a 1 1/2 day symposium on geriatrics to be held at UMMC on October 13 & 14, 1978.

(5) Community Activities

- (a) Ambulatory Care Task Force of the Central Massachusetts Health Services Administration completed its work and made its final report in the fall of 1978.
- (b) Served on the Board of Directors, Worcester Area Age Center, Inc.; also on Subcommittee on Nutrition.
- (c) Member, Professional Advisory Committee, Grafton Community Nursing Association.
- (d) Elected councillor for 1978-79 of Worcester District Medical Society.



INTEROFFICE MEMORANDUM

DATE July 26, 1978

TO • Muriel Sawyer

FROM • Gary B. Schneider/Anatomy

SUBJECT • Annual Report

1. Additions to Bibliography

Katayama, I. and G. B. Schneider, 1977. Cytochemistry and Ultrastructure of Leukemic Reticuloendotheliosis. Excerpta Medica International Congress Series, 415: 876-878.

Marks, S. G., Jr. and G. B. Schneider, 1978. Evidence for a relationship between lymphoid cells and osteoclasts. Bone resorption restored in ia (Osteopetrotic) rats by lymphocytes, monocytes, and macrophages from a normal littermate. Am. J. Anat., 152: 331-342.

Schneider, G. B. and I. Katayama, 1978. Scanning electron microscopy of Burkitt's tumor cells. Am. J. Clin. Path., 69: 567.

Schneider, G. B., S. M. Pockwinse, and S. Billings-Gagliardi, 1978. Morphological changes in isolated lymphocytes during preparation for SEM: A comparative TEM/SEM study of freeze drying and critical point drying. Scanning Electron Microscopy/1978, Vol. II., pp. 77-84.

Schneider, G. B., 1978. The role of lymphoid cells in bone resorption: Cellular immunological competence in ia rats. Am. J. Anat., (In Press).

Schneider, G. B., 1978. The role of lymphoid cells in bone resorption: Immunological competence in ia (osteopetrotic) rats. Anat. Rec., 190: 533 (Abstract).

Billings-Gagliardi, S., S. M. Pockwinse, and G. B. Schneider, 1978. Surface coats on human lymphocytes: Freeze drying and cationic staining (Submitted to Am. J. Anat.).

2. Research Support

Biomedical Research Support Grant (UMMS). "A Direct Relationship Between Lymphocytes, Monocytes, and Osteoclasts: The Role of Lymphoid Cells in Bone Resorption."

Principal Investigator - NIH Grant - "The role of lymphoid cells in alveolar bone resorption," (3 years, APPROVED, but not yet funded).

Acting Principal Investigator - NIH Grant - "The role of the osteoclast in tooth eruption," July, 1977 through July, 1978.





3. Seminar and Paper Presentations, Committees, and related activities

Participated in "The First Scientific Evaluation Workshop on Localized Bone Loss," November 13 - 15, 1977, Washington, D.C.

Presented paper entitled "The role of lymphoid cells in bone resorption: Immunological competence in ia (osteopetrotic) rats," at the Annual Meeting of the American Association of Anatomists, April 2 - 6, 1978, Vancouver, B.C.

Reviewed six manuscripts submitted to The American Journal of Anatomy.

Reviewed four manuscripts submitted to Scanning Electron Microscopy Symposium/78.

Representative of the Department of Anatomy on the Radiation Safety Committee for the Medical School.

Coordinator, Immunology Seminar Series, University of Massachusetts, 1977-1978.

Presented seminar entitled "The role of lymphoid cells in bone resorption." Chicago Medical College, August 10, 1977, Chicago, Illinois.

Presented workshop on "Freeze Drying vs. Critical-Point Drying: UMMS, December, 1977.

Presented seminar entitled "Scanning and transmission electron microscopy of human lymphocytes: An evaluation of various preparative procedures." May 18, 1978.



## INTEROFFICE MEMORANDUM

DATE July 28, 1978

TO • Muriel Sawyer, Special Asst. to Chancellor

FROM • Joshua J. Singer

SUBJECT • ANNUAL REPORT INFORMATION

1. Publications:

Singer, J.J. and Walsh, J.V. Electrical properties of freshly isolated single smooth muscle cells. In: Excitation-Contraction Coupling in Smooth Muscle, Ed., Casteels, R., Godfraind, T., and Ruegg, J.C., 53-60, Elsevier/North Holland Biomedical Press, New York, 1977.

2. Abstracts:

- Singer, J.J., and Walsh, J.V. Action potentials and passive membrane properties of freshly dissociated single smooth muscle cells. Biophysical Journal 21:61a (1978).
- Walsh, J.V. and Singer, J.J. Electrical properties of freshly isolated single smooth muscle cells. Proceedings of the International Union of Physiological Sciences, 13:799 (1977).

3. Meetings:\*Invited Posters:

Singer, J.J. and Walsh, J.V. Electrical properties of freshly isolated single smooth muscle cells. Heidelberg-Louvain Satellite Symposium on Excitation-Contraction Coupling in Smooth Muscle. July, 1977.

\*Oral Presentations:

Walsh, J.V., and Singer, J. J. Electrical properties of freshly isolated single smooth muscle cells. 27th International Congress of Physiological Sciences, Paris, July, 1977.

\*Posters:

Walsh, J.V. and Singer, J.J. Electrical properties of freshly isolated single smooth muscle cells. Seventh Annual Meeting of New England Pharmacologists, Worcester, January, 1978

Singer, J.J., and Walsh, J.V. Action potentials and passive membrane properties of freshly dissociated single smooth muscle cells. Biophysical Society, Washington, D.C., March, 1978



4. Current Grants:

NIH HL 14523 - Generation and Regulation of Force in Smooth Muscle  
6/01/77 - 5/31/82 \$392,791 Co-investigator

BRSB - Voltage Clamping of Freshly Dissociated Single Smooth  
Muscle Cells  
6/1/78 - 3/31/79, \$4,000. Principle Investigator





UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 26, 1978

• Muriel Sawyer, Special Assistant to the Chancellor

FROM • Edgar E. Smith, Ph.D., Provost

SUBJECT • Annual Report Information

For the Period of July 1, 1977 to June 30, 1978

1. No additions to bibliography
2. No current research grants
3. Professional Activities - On leave of absence from the University Medical School as a Robert Wood Johnson Fellow in Washington, D.C. for the period of Sept. 1, 1977 to Sept. 1, 1978

During that time Dr. Smith was headquartered at the Institute of Medicine, National Academy of Sciences in Washington, D.C.

EES:jrm



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE June 26, 1978

TO • Muriel Sawyer

FROM • Emil R. Smith, Ph.D.

SUBJECT • Annual Report Information

1. Bibliography. The following publication appeared in 1977 and should be added to my list, if they are not already on it.
  - a. Smith, E.R., Hagopian, M. and Reister, H.: The uptake and secretion of 2-acetylaminofluorene by the rat and dog prostate. *Toxicol. Appl. Pharmacol.* 40:185-191, 1977.
  - b. Smith, E.R., Hagopian, M. and Norlin, R.D.: The penetration of N-hydroxyurethane into the prostate and prostatic secretion of the rat and dog. *Toxicol and Appl. Pharmacology* 40:335-345, 1977.
  - c. Smith, E.R., Hagopian, M.: The uptake and secretion of 3-methylcholanthrene by the prostate glands of the rat and dog. *J. Natl. Cancer Inst.* 59:119-122, 1977.
2. Research Grants. I currently have two research grants.
  - a. Biomedical Research Support Grant. No. 6-32864. Responses of the prostate to carcinogenic chemicals.
  - b. Massachusetts Heart Association. Grant No. 13-502-778. Arrhythmogenic Action of fatty acids (Sept. 1, 1978-August 31, 1979).
3. Professional Activities. Same as last year.



Susan Smith, Ph.D.; Associate Professor of Physiology

Publications:

- Smith, M.S. and J.D. Neill. The relative contribution of the suckling stimulus and ovarian steroids to gonadotropin inhibition during lactation in the rat. Biology of Reproduction 17:55, 1977.
- Smith, M. Susan. A comparison of pituitary responsiveness to luteinizing hormone-releasing hormone during lactation and the estrous cycle of the rat. Endocrinology 102:114-120, 1978.
- Smith, M. Susan. Hypothalamic-pituitary response to suckling during lactation in the rat: induction of LH surge by estradiol benzoate. Endocrinology 102:121-127, 1978.
- Smith, M. Susan and Judith A. Kessler. Development of ability to initiate and maintain prolactin surges induced by uterine-cervical stimulation of immature rats. Endocrinology 102:131-138, 1978.
- Smith, M. Susan. The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. Biology of Reproduction, June, 1978.
- Harris, A.R.C., D. Christianson, M. Susan Smith, S. Lang, L. Braverman and A. Vagenakis. The physiological role of thyrotropin releasing hormone in the regulation of thyroid stimulating hormone and prolactin secretion in the rat. Journal of Clinical Investigation 61:441-448, 1978.
- Harris, A.R.C., M. Susan Smith, S. Alex, H.A. Salhanick, A.G. Vagenakis and L.E. Braverman. Pyridoxine (B6) induced inhibition of prolactin release in the female rat. Endocrinology 102:362-366, 1978.

Abstracts:

- Harris, A., D. Christianson, M.S. Smith, L. Braverman and A. Vagenakis. The physiological role of TRH in the regulation of TSH and prolactin secretion in the rat. American Society of Clinical Investigation, 1977.
- Smith, M. Susan. The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. 6th New England Endocrine Conference, 1977.
- Smith, M. Susan. The relative contribution of suckling and prolactin to the suppression of the postpartum rise in gonadotropin secretion during lactation in the rat. Endocrinology, 1978.



Grants:

Principal Investigator, NIH, NICHD, Hd-09442, 1978-1981, Control of Gonadotropin Secretion During Lactation.

Training Staff, NIH Training Grant, AM-07302, 1978-1983, Interdisciplinary Studies of Hormone Function (Director, L.E. Braverman).

Co-Investigator, NIH, NICHD, Pending, Role of Prolactin in the Regulation of Male Reproduction 1979-1982.

Research Career Development Award, Pending, 1979-1984, NIH, NICHD.

Professional Activities:

1. Local administration and service at the University of Massachusetts Medical School:

- Faculty representative of Medical School to the University of Massachusetts Board of Trustees (1976 to present).
- Faculty Council of Medical School (1977 to present).
- Member of Educational Policy Committee (1974 to 1977).
- Member of Radiation Safety Committee (1975 to present).
- Chairman of Faculty Committee on Long Range Planning (1977 to present).
- Member of Steering Committee for Accreditation Self-Study Task Force (1977 to present).
- Ad hoc service to Admissions Committee, Committee to Evaluate Graduate Medical Education, Faculty Titles Committee.

2. National Service:

- NIH Reproductive Biology Training Grant (1977).
- Federal Council on Research in Reproduction (1978-1980).
- Nominations Committee, Society for the Study of Reproduction (1977 to present).





VANDANA SONI, M.D.,  
1628 MORGAN DRIVE,  
EXECUTIVE ESTATES,  
MAPLE GLEN, PA.19002

Tel. 215 628 2678

ynopsis

Board Certified (Part 1) Anesthesiologist with 3 years residency training in General Anesthesia and special training in Surgical & Pulmonary intensive care, cardiovascular, neuro, pediatric and orthopedic anesthesia; pulmonary physiology and functions testing.

ducation

Premedical 1964-68  
Loreto Convent, Lucknow, India.

Medical 1968-72  
King George's Medical College, Lucknow University, India.  
Degree awarded: MBBS (MD) with Honors in Physiology, Preventive and Internal Medicine and Ophthalmology.

aining

Internship 1973-74  
Rotating Internship in Internal Medicine, Surgery, ObGyn, and Preventive Medicine at King George's Medical College Hospital & Ursula Horseman Memorial Hospital, India.

PGY-1 Jan - Dec 1975  
Mount Sinai School of Medicine and Hospital Center, New York City, New York.

PGY-2 Jan - Dec 1976  
Mount Sinai School of Medicine and Hospital Center, NYC, NY, and Hahnemann Medical College Hospital, Philadelphia, Pa.

PGY - 3 Jan - Dec 1977  
Hahnemann Medical College Hospital, Philadelphia, Pa.  
Children's Hospital, University of Pennsylvania, Phila., Pa.

CONTD.

licensure

FLEX Exam, 1975; Licensed in the states of Massachusetts and Pennsylvania.

A.B.A.

A.B.A. Part-1 Exam Passed in July 1977.

publications

"Tolerance to Methaqualone" 1970 Indian Journal Pharmacology.

"CO<sub>2</sub> Absorbers in Circuits" To be published.

personal

Date of birth: 06-19-1951

Visa: Immigrant

Social Security Number: 213-78-5368

Marital Status: Married, one child; Husband - Soni, MD - Pulmonary Internist.

Interests: Travel, meeting people, reading.

UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE JULY 19, 1978

TO • Muriel Sawyer

FROM • Michael Stanton-Hicks, M.D., Department of Anaesthesia

SUBJECT • ANNUAL REPORT

ADDITIONS TO BIBLIOGRAPHY:

I. BOOK. Regional Anesthesia Advances and Selected Topics. Editor, Stanton-Hicks, M. d'A., Boston, Little Brown. Epidural Anesthesia, Stanton-Hicks, M. d'A., Boston, Little Brown, 1978, p. 94.

II. RESEARCH PRESENTED. "Intercostal Block and Ventilatory Function Following Upper Abdominal Surgery." 14th Congress of the Scandinavian Society of Anesthesiologists, Uppsala, Sweden. July 1-3, 1977.

III. PAPERS.

- A. 1. "Spinal Versus Epidural Anesthesia for Surgery."
- 2. "Treatment of Postoperative Pain."

Both papers were presented at the Symposium on "Use of Regional Anesthesia in Today's Practice." Cincinnati, May 20-21.

- B. 1. "Haemodynamic Effects of Regional Anaesthesia."
- 2. "The Influence of Hypovolaemia and Shock on the Haemodynamic Alterations Due to Regional Anaesthesia."

Both papers were presented at the International Symposium "Der Neve Aspekte in der Regionalanästhesie, Dusseldorf, June 2-4.

IV. LECTURES.

- A. Intensive Care Seminars for 3rd Year Students on October 1, 1977, January 7, 1978, and April 15, 1978.
- B. "Spinal Anesthesia Versus Epidural Anesthesia." To the Worcester Surgical House Staff. May 13.
- C. "The Use of Regional Anesthesia in the Poor Risk Patient." Department of Anaesthesia, University of Dusseldorf, June 5.

RESEARCH GRANTS:

V. GRANTS.

- A. Astra unrestricted research grant.
- B. Arnar Stowe, research grant, "Investigating the Use of Phenylephrine and Dopamine in the Management of Hypertension."

V. GRANTS: (CONTINUED)

- C. Astra Investigation (double blind) of the use of etidocaine as a topical preparation for endotracheal spray.

PROFESSIONAL:

VI: PROFESSIONAL ACTIVITIES:

A. ORGANIZATIONS

1. Critical Care Society
2. American Pain Society

B. LOCAL

1. Chairman of Operating Room Committee
2. Chairman of Pharmacy and Therapeutics Committee
3. Chairman of Resuscitation Committee
4. Member of Advanced Life Support

C. STATE

Member of:

1. Committee of Ethical Practice and Standard of Care (M.S.A.)
2. Massachusetts Anesthesia Study Commission
3. Ad Hoc Committee of Anaesthesia Programme Directors (M.S.A.)

D. NATIONAL

1. Chairman, Resident Research Prize Committee (American Society of Regional Anesthesia).
2. Editor, (American) Anesthesiology Series, Marcel Dekker Publications



Michael Stanton-Hicks, M.D.  
Chairman and Professor  
Department of Anaesthesia

Dr. Gerald Steinberg  
108 Pleasant Street  
Framingham Centre, Massachusetts 01701  
617-872-0497

High School

Henry Snyder High School  
Jersey City, New Jersey, 1957-1961

College

Rutgers University  
New Brunswick, New Jersey  
B.A. with Honors, 1965

Medical School

Albert Einstein College of Medicine  
Bronx, New York  
M.D. with Honors, 1969

Internship

Bronx Municipal Hospital Center, 1969-1970  
(Albert Einstein College of Medicine)

Surgical Residency

Bronx Veterans Administration Hospital, 1970-1971  
(Albert Einstein College of Medicine and Mt. Sinai School  
of Medicine Affiliate)

Orthopaedic Research

Fellow, Harvard University, 1971-  
Studies in Fracture Healing

Orthopaedic Residency

Harvard Combined Orthopaedic Program, January, 1972-  
June 1975:

Massachusetts General Hospital  
Children's Hospital Medical Center  
Peter Bent Brigham Hospital  
Robert B. Brigham Hospital  
New England Baptist Hospital  
Beth Israel Hospital (Chief Residency)

Medical Licenses

New York  
Massachusetts





Academic & Teaching Appointments:

Assistant Professor of Orthopaedic Surgery,  
University of Massachusetts Medical School  
(Beginning July 1975)

Assistant Professor of Family Practice and Community Medicine  
University of Massachusetts Medical School  
(Beginning July 1975)

Director of Orthopaedic Education  
Worcester City Hospital (Beginning July 1975)

Specialist/Educator  
Department of Family Practice and Community Medicine  
University of Massachusetts Medical School  
(Beginning July 1975)

Hospital Staff & Clinical Appointments:

University of Massachusetts Hospital, Worcester, MA, 1975

Worcester City Hospital, Worcester, MA, 1975

Holden District Hospital, Holden, MA, 1975

Orthopaedic consultant, Worcester State Hospital,  
Worcester, MA, 1975

Orthopaedic consultant, Hahnemann Family Health Center,  
Worcester, MA, 1975

Orthopaedic consultant, Holden District Hospital Family  
Health Center, Barre, MA, 1975

Orthopaedic consultant, Family Health and Social Service  
Center, Worcester, MA, 1975



Awards & Honors:

Henry Rutgers Scholar, Rutgers University - Studies in Intermediate Metabolism

National Science Fellow - Development of Automatic Analyzer

Phi Beta Kappa, Rutgers University

Alpha Omega Alpha, Albert Einstein College of Medicine

American Academy of Family Practice Award for outstanding teaching

Other Professional Interests:

Emergency Medical Services and Training - worked to establish curriculum and teaching faculty for central Massachusetts E.M.T. program; designed and instruct curriculum covering emergency management of musculo-skeletal injuries for E.M.T. and professional health personnel.

Orthopaedic consultant, University of Massachusetts Medical Center, Pain Clinic

Orthopaedic consultant for Nurse Practitioner Program, Hahnemann Hospital, Worcester, MA

Orthopaedic consultant to Central Massachusetts PSRO and Chairman of Committee on Rehabilitation

Papers Presented:

1. Evaluation and Treatment of Lower Extremity Deformities in Children; presented to the American Academy of Family Practice Meeting, September 1976, Boston, MA.
2. Advances in Surgical Treatment of Arthritis of the Hip and Knee; presented to the American Association of Occupational Health Nurses, October 1977.
3. Total Hip and Total Knee Replacements; presented to the Massachusetts Nurses Association, September 1977.
4. Epidemiology and Treatment of Low Back Pain; presented to the Massachusetts Academy of Family Practice, March 1978, Boston, MA.
5. Work Related Back Pain; presented at Symposium on Occupational Health, sponsored by the Harvard School of Public Health and the University of Massachusetts Medical School, May 1978, Worcester, MA.



Publications:

- Total Hip Replacement in Previously Fused Hips;  
Journal of Bone and Joint Surgery, 58-A, 731,  
July 1976. (Paper presented at Annual Meeting of  
The American Academy of Orthopaedic Surgeons,  
New Orleans, Louisiana, February 1, 1976.)



Edwin A. Sumpter, M.D.  
Associate Professor of Pediatrics  
Director, Pediatric Ambulatory Services

1. Additions to Bibliography

Sumpter, E.A., and Charney, E.: Health Promotion in the 4-10 Year Old Child in Ambulatory Pediatrics II, Green & Haggerty. Philadelphia, 1977. Saunders.

Sumpter, E.A.: Colic in Principles of Pediatrics: Health Care of the Young. Hoekelman et al editors, NY 1978. McGraw-Hill.

2. None.

3. Professional Activities

Community

Worcester School Health Committee member, Worcester Department of Public Health  
Youth Opportunities Unlimited, Inc., elected member of Board of Directors.

Presentations

"Child Centered Hospitalization" seminar, May 6-7, 1978. Initial speaker and participant. DuPont Institute, Wilmington, Delaware.

Emotional Development of "Toddlers". CEA lecture, April 1978.

Preschool Child - Nursing Mothers Association, May 1978.

"The Adolescent Patient" - Grand Rounds, Berkshire Medical Center, February 1978.

"Medical Education in Massachusetts" - Holyoke, MA. Business Men's Dinner - February 1978

Meetings and Courses Attended

Adolescent Medicine - 5 day course, Children's Hospital Medical Center, Boston, MA - May 1-5, 1978.

Ambulatory Pediatrics Association - annual meeting, NYC - April 24-25, 1978.





INTEROFFICE MEMORANDUM

DATE June 30, 1978

TO • Muriel Sawyer

FROM • Irma Szymanski, M.D.

SUBJECT • Annual Report Information

1. Addition to Bibliography:

- a. Szymanski, I.O., Tilley, C.A., Crookston, M.C., Greenwalt, T.J., and Moore, S.: A further example of human blood group chimaerism. J. Med. Genet. 14: 279-281, 1977.
- b. Szymanski, I.O. and Carrington, E.J.: Evaluation of a large scale frozen blood program. Transfusion 17: 431-437, 1977.
- c. Szymanski, L.S., Cushna, B., Hover Jackson, B.C., and Szymanski, I.O.: Motivation of plateletpheresis donors. Transfusion 18: 64-68, 1978.
- d. Szymanski, L.S., Szymanski, I.O., Yessayan, L., and Shea, A.M.: ABO incompatibility in a small group of developmentally disable children. Transfusion 18: 98-101, 1978.
- e. Szymanski, I.O.: Ionized calcium levels during plateletpheresis. Accepted for publication in Transfusion. 1977.
- f. Szymanski, I.O. and Odgren, P.R.: Studies on the Preservation of Red Blood Cells: Attachment of a Fragment of the Third Component of Human Complement to Erythrocytes During Storage at 4°C. Submitted for publication in Vox Sanguinis. 1978.
- g. Szymanski et al.: Automated differential agglutination technic and serial blood volume measurements: An approach to quantitate erythropoiesis and mean red cell age. In preparation.
- h. Szymanski, et al: Iso and autoimmunization after transfusion. In preparation.
- i. Purtillo, D., Szymanski, I., Bhawan, J., Yang, J., Hutt, L., Boto, W., DeNicola, L., Maier, R.: Epstein-Barr Virus Infections in the X-Linked Recessive Lymphoproliferative Syndrome. Lancel I. pp. 798-801, 1978.



2. Current Research Grants:

Applications Pending

- a) Office of Naval Research
- b) U.S. Army Medical Research and Development Command

3. Professional Activities:

- a) Director of Blood Bank
- b) Acting director of hospital laboratories
- c) Member; National Heart, Lung and Blood Institute:  
Blood Diseased and Resources Advisory Committee
- d) Conducting research studies on blood preservation



## ADDITIONS TO BIBLIOGRAPHY

PETER H. VILES, M.D.  
DEPARTMENT OF PEDIATRICS

1. Turnstall, J., Viles, P., and Fazen, L.: J Fam Prac 6:1291 (1978)  
Family Practice Grand Rounds: Hypertension in Children

2. Research Grants - None

3. Professional Activities

### Hospital-Medical Center Committees

1. Affirmative Action (Co-chairman)
2. Medical Records
3. Medical Care Standards Review
4. Pharmacy and Therapeutics
5. Intensive Care

Course Director - Core Pediatric Clerkships

Pediatric representative - Faculty Council

Faculty Council Ad Hoc Committee on Student Evaluation (Chairperson)

Massachusetts Affiliate American Heart Association Committee on Cardio-vascular Disease in the Young

American Heart Association TAG for Standards for CPR in Children





INTEROFFICE MEMORANDUM

DATE July 13, 1978

TO • Muriel Sawyer

FROM • Barbara E. Waud, M.D., Department of Anaesthesia

SUBJECT • ANNUAL REPORT

1. Additions to Bibliography:

Lee-Son, S. and Waud, B.E.: Potencies of neuromuscular blocking agents at the receptors of the atrial pacemaker and the motor endplate of the guinea pig. *Anesthesiology* 47:34-36, 1977.

Renzi, F. and Waud, B.E.: Partition coefficients of volatile anesthetics in Krebs' solution. *Anesthesiology* 47:62-63, 1977.

Waud, B.E.: Neuromuscular blocking agents. In: Introduction to Anesthesia. Eds. Dripps, R.D., Eckenhoff, J.E., and Vandam, L.D. W.B. Saunders Co. Philadelphia 1977.

Waud, B.E.: Neuromuscular blocking agents. Current Problems in Anesthesia and Critical Care Medicine. Year Book Medical Publishers, Inc., Chicago Vol. 1, No. 4, 1977.

Waud, D.R., Lee-Son, S. and Waud, B.E.: Kinetic and empirical analysis of dose-response curves illustrated with a cardiac example. *Life Sciences* 22:1275-1286, 1978.

Abstracts:

Waud, B.E.: Reduction of tubocurarine dose requirement by volatile anesthetics. *Proc. Amer. Soc. Anesthesiologist* 1977.

Dempsey, M.S., Waud, B.E., Waud, D.R.: The effect of temperature on the action of tubocurarine on the mouse nerve-diaphragm preparation. *Proc. N. Eng. Pharmacologists* p. 39, 1978.

Waud, D.R. and Waud, B.E.: The effect of volatile anesthetics on the direct and indirect twitch response and on dosage requirement for tubocurarine. *Proc. N. Eng. Pharmacologists* p. 38, 1978.

Renzi, F.P., Waud, B.E., and Waud, D.R.: A simple apparatus for convenient determination of anesthetic gas-liquid partition coefficients. *Fed. Proc.* 1978.

2. Research Grant: NS1255 from NINCDS Title: Drug-receptor interactions.

July 13, 1978

3. Professional Activities:

- a. Visiting Professor - University of Wisconsin, Madison
- b. Visiting Professor - Medical College of Wisconsin, Milwaukee
- c. Ferguson Memorial Lecture - Harvard Medical School
- d. Lecturer for postgraduate course in pharmacology for the anesthesiologist - Emory University
- e. Scientific Advisory Board - Association of University Anesthetists
- f. Personnel Action Committee
- g. Committee on Graduate Medical Education
- h. Search Committee for Chairman - Department of Radiology

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Douglas R. Waud ..... Date June 27, 1978 .....  
To Muriel Sawyer .....  
Subject Annual Report Material .....

ADDITIONS TO BIBLIOGRAPHY

Lee Son, S. and Waud, D.R.: A vagolytic action of neuromuscular blocking agents at the pacemaker of the isolated guinea pig atrium. *Anesthesiology* 48: 191-194, 1978.

Waud, D.R., Lee Son, S. and Waud, B.E.: Kinetic and empirical analysis of dose-response curves illustrated with a cardiac example. *Life Sciences* 22: 1276-1286, 1978.

Lee Son, S. and Waud, D.R.: Vagal blockade by neuromuscular blocking agents. *Proc. Amer. Soc. Anesthesiol.* 1977, p. 675.

Waud, D.R. and Waud, B.E.: The effect of volatile anesthetics on the direct and indirect twitch response and on dosage requirements for tubocurarine. *Proc. N.E. Pharmacologists Meeting* 1978, p. 38.

Dempsey, M.J., Waud, B.E. and Waud, D.R.: The effect of temperature on the mouse nerve-diaphragm preparation. *Proc. N.E. Pharmacologists Meeting*, 1978, p. 39.

Waud, D.R. and Lee Son, S.: The effects of neuromuscular blocking agents on cardiac vagal innervation. *Proc. N.E. Pharmacologists Meeting*, 1978, p. 39.

Renzi, F.P., Waud, B.E. and Waud, D.R.: A simple apparatus for convenient determination of anesthetic gas-liquid partition coefficients. *Fed. Proc.* 37: 693, 1978.

CURRENT GRANT

NS12255 from NINCDS - "Study of drug-receptor interactions"

PROFESSIONAL ACTIVITIES

- (a) Participation in Otto Kraye Festschrift, Tucson, Arizona, March 10-11, 1978.
- (b) Visiting Faculty, Emory Anesthesiology Postgraduate Course, Atlanta, GA March 30 - April 1, 1978.
- (c) Member Association of University Anesthetists Scientific Advisory Board Study Group on Directions in Anesthesia Research, 1977-78.
- (d) Member ASPET Graduate Student Convocation Committee, 1978.
- (e) Guest referee: *Journal of Pharmacology*, *Nature*, *Molecular Pharmacology*, *Schmiedeberg's Archiv der Pharmakologie*, *Journal of Theoretical Biology*.



## MEMORANDUM

From William S. Webster - Chairman *WWS* Date July 31, 1978  
Department of Animal Medicine  
To Muriel Sawyer - Special Assistant to the Chancellor  
Subject Annual Report Information

For inclusion in Dr. Bulger's annual report, the following information for the period of July 1, 1977 to June 30, 1978 is provided:

A.) Additions to bibliography - none.

B. ) Current research grants:

1. Co-investigator, NHLI Grant # 5-26055, \$86,380.
2. Investigator, American Association for Laboratory Animal Science Research Foundation Grant, \$2,000.

C.) Professional activities:

1. Overall administrative responsibility for centralized UMMC teaching and research animal facilities.
2. UMMC committee activities:
  - a. Chairman - Evaluation Subcommittee on Resources: Physical Plant, for the Medical School's Accreditation Self-Study Task Force.
  - b. Committee member - Medical School Space, Animal Care Advisory, Bio-hazards, Chemical Hazards and Radiation Safety.
3. Outside activities:
  - a. The American College of Laboratory Animal Medicine - currently Secretary - Treasurer and member, Board of Directors.
  - b. The New England Branch of the American Association for Laboratory Animal Science - President, 1978 - 1978.
  - c. Member, Veterinary Medicine Task Force, Joint Operations Committee, Land Grant Universities of New England.
  - d. Participant, Career Day, Millbury Schools, Spring 1978.



## CURRICULUM VITAE

NAME: Gary William Welch, M.D., Ph.D. 164-32-1452

DATE OF BIRTH: January 4, 1943

PLACE OF BIRTH: Buffalo, New York

MARITAL STATUS: Married, 4 children

OFFICE ADDRESS: University of Massachusetts Medical Center  
55 Lake Avenue North  
Worcester, MA 01605

HOME ADDRESS: 16 Pidgeon Hill Drive  
Grafton, MA 01519

PRESENT POSITION: Assistant Professor of Anaesthesia and Surgery  
Director of the Surgical Intensive Care Unit  
University of Massachusetts Medical Center

EDUCATION: B.A. University of Virginia, 1964 (Chemistry)  
M.D. University of Virginia, 1970  
Ph.D. University of Virginia, 1970  
(Neuroembryology and Teratology)  
Board Certified Anesthesiology, 1975

### HONORS, AWARDS AND SCHOLARSHIPS:

Medical Regional Scholar, University of Virginia  
Whitehead Fellow in Research, University of Virginia  
National Institutes of Health Predoctoral Fellowship  
SAMA Award for Excellence in Research  
National Foundation Award for Research in Birth Defects  
AOA  
Raven Society  
Signa Xi

### TRAINING:

Surgical Intern, Peter Bent Brigham Hospital, Boston, MA 1970-1971  
Residency in Anesthesiology, Ft. Sam, Houston, Texas 1972-1974  
Surgical Resident, University of Massachusetts Medical Center,  
Worcester, MA 1976-1977

### FORMER POSITIONS:

Staff Surgeon U.S.A.I.S.R., Ft. Sam, Houston, Texas 1971-1972  
Chief, Anesthesiology Section U.S.A.I.S.R. 1974-1976  
Chief, Pulmonary Section U.S.A.I.S.R. 1975-1976



## PUBLICATIONS

1. Langman, J., and Welch, G.: Neuroepithelial Cells Under Normal and Abnormal Conditions, (Abstract) American Association of Anatomy, San Francisco, California, 1966.
2. Langman, J., and Welch, G.: Effect of Vitamin A on the Development of the Central Nervous System. J. Comp. Neur. 128:1-16, 1966.
3. Langman, J., and Welch, G.: Influence of Vitamin A on Proliferation and Differentiation in the Developing Cerebral Cortex. Ontogenesis of the Brain, Charles University, Prague, 1967.
4. Langman, J., and Welch, G.: Excess Vitamin A and Development of the Cerebral Cortex, J. Comp. Neur. 131:15-26, 1967.
5. Hanaway, J., and Welch, G.: Anencephaly: A Review and Interpretation in Terms of Modern Experimental Embryology. Dis Nerv Syst 31:527-533, 1970.
6. Welch, G.: Hypervitaminosis A and Brain Development, Ph.D. Thesis, 1970.
7. Welch, G., Silverstein, P., McKeel, D., and Walker, H.: The Role of Catheter Composition in the Development of Thrombophlebitis. Surg. Gynec. Obstet. 138:421-424, 1974.
8. Baird, R., and Welch, G.: Serum Flouride Levels Following Multiple Enflurane Anesthetics in Burn Patients. 1978. Accepted Presentation ASA, October, 1978.
9. Welch, G., and Saunder, H.: Anesthesia for Trauma Patients. American College of Surgeons Early Care of the Injured Patient. W. B. Saunders Philadelphia, 1976.
10. Welch, G.: Anaesthesia for Thermally Injured Patients. Burns: A Book for the Whole Team. Artz, Moncrief, and Pruitt Editors, In Press.
11. Pruitt, B., and Welch, G.: The Burn Patient in the Intensive Care Unit. John Kinney, Editor. Saunders. 1977. In Manual of Surgical Intensive Care 1977, pg. 299-326.
12. Welch, G., Lull, R., Petroff, P., Hander, E., Clayton, W.: The Use of Steroids in Inhalation Injury. Surg. Gynec. Obstet. 145:539-544, 1977.
13. Langman, J., and Welch, G.: Influence of Hypervitaminosis A on the Development of the CMS in the Mammalian Embryo. Presented to the Southern Society of Anatomy, Baltimore, Maryland, 1965.
14. Langman, J., and Welch, G.: Effect of Hypervitaminosis A on the CMS. Presented to the Southern Society of Anatomy, Nashville, Tennessee, 1966.
15. Langman, J., and Welch, G.: Behavior of Neuroepithelial Cells Under Normal and Abnormal Conditions. Presented to American Teratology, Estes Park, Colorado, 1967.
16. Langman, J., and Welch, G.: Effects of Vitamin A on Developing Mammalian Embryos. Presented to Virginia Academy of Science, Norfolk, Virginia, 1967.

## PUBLICATIONS

17. Langman, J., and Welch, G.: Influence of Hypervitaminosis A on Brain Development in the Mammalian Embryo. Presented to the American Association of Anatomy, Kansas City, Kansas, 1967.
18. Welch, G.: A radioautographic Study of Normal and Abnormal Development of the Central Nervous System in Mammalian Embryos. Presented to SAMA, Atlanta, Georgia, 1968.
19. Druck, Charles, Welch, G., and Pruitt, B.: Hemodynamic Analysis of Septic Shock in Burned Patients after Treatment with Dopamine. Review Surgery 34:434-436, 1977. (Presented at 19th Annual University Surgical Residents Conference, Atlanta, Georgia. May, 1977).
20. Sasaki, T., Welch, G., Hendon, D., Lescher, T., Rizzo, T., and Pruitt, B.: Intravenous Catheter Complications in Burns: A Prospective Study Submitted.
21. Sasaki, T., Welch, G., Hendon, D., Kaplan, G., Lindberg, R., and Pruitt, B.: Burn Wound Manipulation Induced Bacteriemia. Presented to the American Burn Association, Anaheim, California, 1977.
22. Sasaki, T., Welch, G., Hendon, D., Kaplan, G., Lindberg, R., and Pruitt, B.: Burn Wound Manipulation Induced Bacteriemia. J. Trauma in press.
23. Dorethy, J. F., Welch, G. W., Treat, R. C., Mason, A. D., Jr., and Pruitt, B. A., Jr.: The Efficacy of Colloid-Crystalloid Resuscitation Fluid in the Earlier Re-establishment of an Adequate Hemodynamic State in Postburn "Shock".

## Research in Progress

Hemodynamic Changes During the First Twenty-Four Hours of Resuscitation in Burn Patients.



INTEROFFICE MEMORANDUM

DATE August 4, 1978

TO • Muriel Sawyer

FROM • M. K. Wolf - Anatomy Department

SUBJECT • Annual report

1. Additions to bibliography:

Wolf, M.K. Cell and Organotypic Culture Studies of Neurological Mutations Affecting Structural Development. (Chapter) in Cell, Tissue, and Organ Culture in Neurobiology, S. Fedoroff and L. Hertz, editors. Academic Press, pp. 555-573, 1977.

2. Current research grants:

B.R.S.G. "Organotypic culture of myelin-deficient mutant mouse brain"

N.I.H. #NS 11425 "Development of Mouse CNS: In Vitro and Mutant Studies"

3. Professional activities:

Fall, 1977 - Visiting Professor - Neurobiology - Stanford University

Fall, 1977 - Taught Advanced Neuroanatomy Course at Harvard Medical School (Evenings

April, 1978 - Gave a one-day course in Neuroanatomy to the American Academy of Neurology.



UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER

INTEROFFICE MEMORANDUM

DATE July 19, 1978

TO • Muriel Sawyer

FROM • G.E. Wright, Department of Pharmacology

SUBJECT • Annual Report Information

1. Additions to bibliography

"Inhibitors of Bacillus subtilis DNA Polymerase III. Structure-Activity Relationships of 6-(Phenylhydrazino)uracils," G.E. Wright and N.C. Brown, J. Med. Chem., 20, 1181-1185 (1977).

"Inhibitors of Bacillus subtilis DNA Polymerase III. 6-(Arylalkylamin<sup>2</sup>)-uracils and 6-Anilinouracils," N.C. Brown, J. Gambino and G.E. Wright, J. Med. Chem., 20, 1186-1189 (1977).

"Inhibitors of Bacterial DNA Polymerases," N.C. Brown and G.E. Wright, Pharmac. Ther. A, 1, 437-456 (1977).

2. Current Research Grant

"Structure of Novel Inhibitors of a DNA Replicase," GM21747, National Institutes of Health, 12/1/77-11/30/80.

3. Professional Activities

Member, Biology Chairperson Search Committee, Clark University, Worcester.  
Invited Lecturer, Polish Academy of Sciences, Warsaw, 5/29/78-6/2/78.







# *The Commonwealth of Massachusetts*

*University of Massachusetts*

*Worcester 01605*

MEDICAL CENTER

DEPARTMENT OF MEDICINE

Telephone: (617) 856-3068

DIVISION OF GASTROENTEROLOGY

55 Lake Avenue North

July 3, 1978

Muriel Sawyer  
Special Assistant to the Chancellor

SUBJECT: ANNUAL REPORT INFORMATION

In response to your memo of June 19, 1978 the following could be added to my curriculum vitae.

1. With regard to additions to my bibliography there is one.

• Survival in Patients with Postnecrotic Cirrhosis and Laennec's Cirrhosis Undergoing Therapeutic Portocaval Shunt. G.C. Kanel, M.M. Kaplan, J.K. Zawacki, A.D. Callow Gastroenterology 73:679, 1977.

2. No research grants at present.

3. Professional Activities - During the past year full-time duties have been transferred from the Primary Care Unit to the Gastroenterology Section.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "John K. Zawacki".

John K. Zawacki, M.D.

JKZ:flt















